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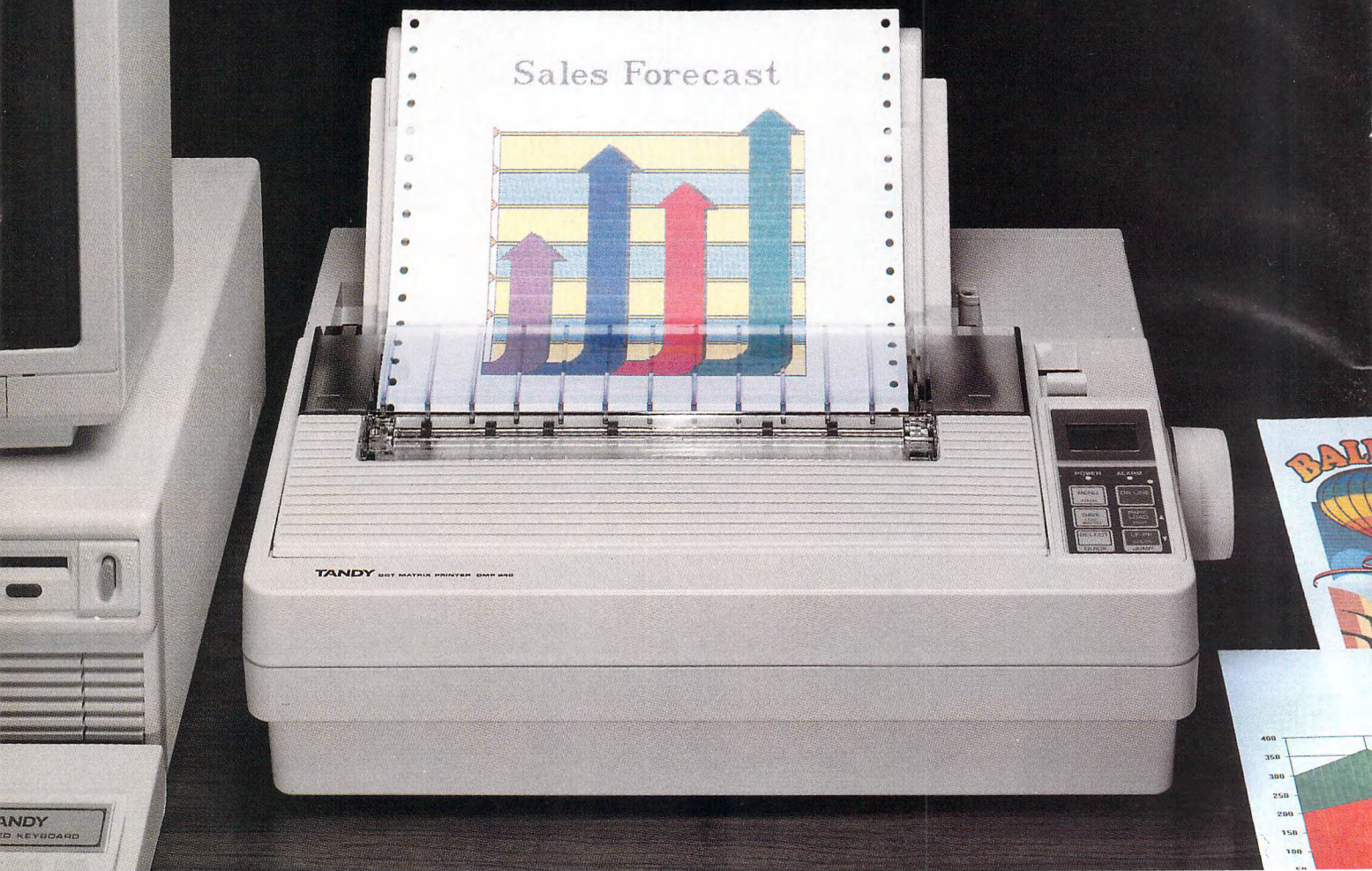
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PC MagNet has a new MacNeighbor in Zmac, a Ziff-Davis service allowing *MacWEEK* and *MacUser* readers access to their newsrooms, reference libraries, three forums, and yes, the editors. Bonus: Popular Mac shareware, PC MagNet's online attractions.

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"Value investing," also known as putting stock in long-term longshots, may take the individual investor places the herd of financial experts shies away from and get him or her back in the game. Bonus: Tools of the trading, CoScreen/Disclosure special offer during September and October.

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As we've all heard by now, it's not nice to fool with Mother Nature; so take a gander at environmental activities online, two computer animators' medium with a message, a list of green areas to access, and Ted Turner's latest effort, the dual-media forum/TV program "Network Earth."

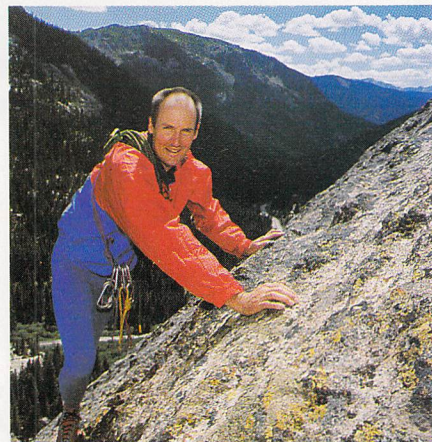
36 Why Manners Matter: Hey! Get your feet off the table, and find out how a little decorum in the forum goes a long way. Also: CB etiquette at-a-glance.

39 That Periodic(al) Urge: Dig out that article you read in the dentist's waiting room months ago on Magazine Database Plus, the deepest pile of notable titles yet. Includes: Search Methods tutorial, a list of magazines and other journal-laden databases.



RON BROWN

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► Catch computer industry news as it happens, read special reports, commentary and more product reviews. You'll find it only in *Online Today*, a daily updated newspaper.

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COMPU SERVE

M A G A Z I N E

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Publisher
Calvin F. Hamrick III

Editorial Director
Richard A. Baker

Editor
Douglas G. Branstetter

Art Director
Thom Misiak

Managing Editor
Kassie Rose

Senior Editor
Mary Mitchell

Assistant Editors
Denise Erwin Anderson, Gayle Brown,
Christopher J. Galvin

Production Coordinator
Ronda Cheses

Design Coordinator
Dorothy Hogan

Contributing Editors
Charles E. Bowen, Cathryn Conroy, John Edwards,
Carole Houze Gerber, Holly G. Miller
Ernest E. Mau 1982-1990

Copy Editor
Kacy Cook

Proofreader
Christine Harrington, Julia A. Tober

Photocomposition Coordinator
Susan Toombs

Production Assistant
Jody Myers

Editorial Assistant
Bobbi Dominick

Editorial Intern
M. Jill Hoffmann

ADVERTISING

Associate Publisher
Peter A. Scott, 5000 Arlington Centre Blvd.,
Columbus, OH 43220; 614/457-8600; 70003.3731

Mid Atlantic
Jennifer Stothers
212/486-2440

New England and Southeast
David Koenenman
614/457-8600

Midwest and West
Tom Emmons
614/457-8600



President and Chief Executive Officer. Charles W. McCall; **Executive Vice President, Information Services.** Maurice A. Cox; **Executive Vice President, Software Products Division.** Robert J. Massey; **Executive Vice President, Support Services and Chief Technical Officer.** Alexander B. Trevor; **Executive Vice President, Business Services.** G. Clark Woodford; **Senior Vice President, Business Support and Development.** Barry F. Berkov; **Vice President, Market Development and Services.** John E. Meier; **Vice President, Human Resources.** Judith S. Reinhard; **Vice President, Finance.** Jeffrey T. Weisner.

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Dear Reader

Friday, June 22 was a gloomy day for the staff of *CompuServe Magazine*—the saddest day in our nine years of publishing. That's when we found out that Ernest E. Mau, our good friend and computer product reviews writer/editor of nearly eight years, had died suddenly the day before from a heart attack near his suburban Denver home. He was 45. He leaves behind his wife Barbara, his father Ernest Sr. and many online friends and colleagues who will greatly miss his larger-than-life presence.

With more than 500 magazine articles and several books to his credit, Ernie, a self-described "documentation generalist" and "chocoholic" (See's chocolate truffles got his best review), was as prolific as he was a perfectionist. "I take no prisoners when it comes to reviews," Ernie always said of his on-contract *CM* reviews editor job, which he cherished. "If the product is wretched, I won't waste a reader's time by publishing a review until the maker has upgrades. If it's workable but has serious problems, I give the manufacturer a chance to explain or make corrections."

Ernie knew what he was talking about, too. As one of the world's first owners of a desktop computer, he experimented with micro systems when they were bulky, terribly expensive contraptions fit only for the most tenacious and dedicated hobbyists. Many software and hardware manufacturers deeply respected Ernie's expertise, and often worked closely with him to fix defects he had ferreted out in the review process. A peripherals manufacturer once sent a team of Japanese technicians to his hardware-filled Aurora, Colorado home (which probably rivaled their engineering lab in appointment) to check out a modem failure that they couldn't duplicate at headquarters. Ernie suspected that radio interference from a nearby military defense installation was the culprit and that the modem was failing to filter it. As usual, he was right.

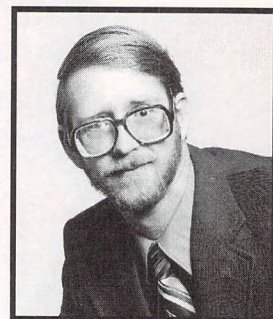
He demanded a lot from the products he reviewed and from the people who helped him review them. Reviewers were required to adhere to a strict set of standards, be as objective as possible, and to have no connections, however remote, to companies whose products they reviewed. His free-lance colleagues held him in high esteem, partly due to his encyclopedic technical knowledge and partly because he was a "free-lancer's free-lancer" who prized his individualism and freedom from what he called "captive work" to one company. Probably his best known work, *A Free-lance Writer's Survival Manual* published in 1981 by Contemporary Books, was his legacy to this lifestyle.

He also had a distinguished career in computer consumer service journalism. He wrote many articles on how to buy and care for microcomputers. His last two works of that genre, an article on modem buying and another on preventing disk crashes, appeared in *CompuServe Magazine* in March and May respectively. A 1984 two-part series for *Online Today* (*CM*'s forerunner) on how to buy a computer was extremely popular and generated the most reprint requests we've had for any article before or since.

Ernie was certainly an individualist, but he was also one of the good citizens of CompuServe. He freely shared his vast knowledge with others and spent many hours giving detailed message board answers to hardware and software questions and more of the same as a conference guest in writing and hobbyist forums. As an assistant sysop for the *OLT* Forum, he doted over a huge library of back reviews and software sample screens.

Ernie may have worked hard (18-hour days at the keyboards were not uncommon), but he could play even harder if he put his mind to it. He probably owned every computer game ever made and had just begun a model railroading hobby in which he planned to duplicate, down to every last detail, the rail system of turn-of-the-century Austria—with the help of computer graphics, of course. Most people who go on vacations to Europe spend two weeks. Ernie went for as long as three months, faithfully sending back a postcard to the *CM* staff every single week. During his last trip, he and his wife toured all the castles they could find along the Rhine River, a trip that Ernie chronicled for a *CM* travel piece to be published next month.

We miss Ernie and, in his absence, appreciate all the more his tremendous contribution to the magazine and the computing community in general. A forum message posted in his honor probably said it best: "We lost one of the good guys."



Ernest E. Mau

BRAD MIKEL

Douglas G. Branstetter
Editor

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PC Expo

On June 20, I attended PC Expo in New York City. CompuServe had a very impressive display and staff. As a new user, I found their insight most helpful. I can't wait to try many of the things I was shown. It's no wonder CompuServe is the leading online service. The display was packed with hundreds of interested people yet the CompuServe representatives took the time to answer everyone's questions. Bravo! Keep up the good work.

Kevin Sharp
Elmwood Park, N.J.

HamNet Forum

I just received the July 1990 edition of *CompuServe Magazine* and was happy to see the feature on the hobby forums. I was disturbed, however, to see that the HamNet Forum was not included. Ham radio is a popular hobby. Leaving it out of this feature shows questionable judgment.

Bob Falcone
Egg Harbor, N.J.

Editor's note: We were not able to cover all hobby areas of the service in the July feature. An article on the HamNet Forum will appear in the October issue.

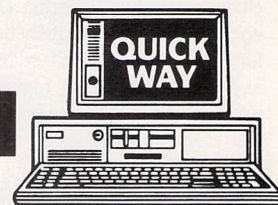
Software Reviews

I believe you are missing your niche by reviewing commercially marketed software. While the reviews are well written and informative, there are plenty of other publications that perform the same service, usually in greater depth by providing side by side comparisons and benchmarks. I believe that you would better serve your particular readership by reviewing the software available for downloading on CompuServe. There are thousands of shareware and public domain applications, many of which are as good or better than their commercially distributed counterparts.

Michael Allen
St. Charles, Ill.

Editor's note: We are changing the mix of reviews and soon will be adding reviews of some software available on CompuServe.

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Back to School

Students of City University can get their degrees via modem. They do their coursework as their schedules allow, and communicate with faculty via modem, mail or voice phone from various parts of the globe.

The accredited Bellevue, Wash., university recognizes that students in its Distance Learning program are an average age of 35, and need a year or two of coursework to complete bachelor's or master's degree requirements. For whatever reasons, they can't easily get to a traditional classroom.

City University has 22 locations where the traditional classroom setting is offered, including northern California, Oregon, Washington, British Columbia, Germany, Switzerland and Japan. "In those regions we encourage coursework in the classroom. However, that doesn't always work out," explains Lisa Khatib, City University vice president of admissions and community relations. "Our students have jobs that require them to be on the move a lot, or they're living in areas that are very secluded."

City University specializes in business-related fields, such as business administration, accounting, computer information systems, marketing and health care administration. Other programs include teacher certification and some associate-level coursework. More information is available by calling City University at 1-800-422-4898. Washington residents call 1-800-226-4898.

The University of Phoenix also offers accredited online degree programs and can be reached by calling 1-800-888-4935. A file called TELE2.LRN lists some other online learning programs and can be downloaded from the Education Forum (GO EDFORUM).



KING ASSOCIATES

Attention Armchair Quarterbacks

The calendar says September, and that means it's time for another season of pigskin heroics from the corner schoolyard to the NFL stadiums. If you want to get in on some of the action without experiencing all of the bumps and bruises, you'll be interested to know that CompuServe has a number of football game simulations playable from the comfort of

your easy chair.

In addition to the online games of Advanced Digital Football League (GO ADFL) and CompuServe Football (GO FOOTBALL), a number of forums offer games for downloading and playing offline. A quick means of locating some of these is through the forum filefinders: Macintosh (GO MACFF), IBM (GO IBMFF) and Atari (GO

ATARIFF).

Among the Macintosh offerings is MACFOO in the Mac Fun (GO MACFUN) Forum's Library 2, "Arcades/Action." This shareware game allows you to play against another live opponent or the computer, as well as letting you sit back and watch the Mac play itself.

For IBM and compatible users, there is CFB23.ARC in the IBM New Users Forum (GO IBMNEW) Library 6, "Gen Fun and Games." This 198K package allows you to play "the best action EGA football game ever," controlling players and selecting plays with a joystick, mouse, or through keyboard entry. In Library 9, "Sports/Chance," FUTBOL.BAS, you will find a very realistic simulation with the facility for you to pick player attributes and call the defensive action.

Yet another way to get into the gridiron action is through play-by-mail gaming (either electronic or postal, depending on the game). Among the football listings contained in The Electronic Gamer's (GO TEG) directory are Football League (one each for the US and UK) and the British League Football. Costs and contact information are included.

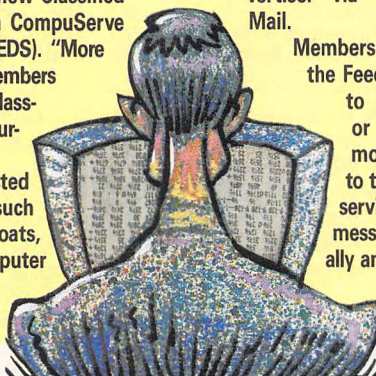
Operation: Classified

"We've already posted more than 800 ads in the first two and a half weeks of operation," says Product Manager Dan Meeks of the new Classified Ad section on CompuServe (GO CLASSIFIEDS). "More than 2,000 members accessed the Classifieds service during that time."

Ads posted offer items such as cars, boats, houses, computer peripherals and concert

tickets for sale. Members can use the service to reply to ads they find interesting. All replies are sent to the original advertiser via CompuServe Mail.

Members can also use the Feedback option to ask for help or to suggest modifications to the Classifieds service. Feedback messages are usually answered within 48 hours.



DON VANDERBEEK

How to Save the Outdoors

News reports about the great outdoors now are being clipped and saved in OUTNEWS.

OUTNEWS (GO OUTNEWS) clips from AP, UPI, The Washington Post and other news-wires available on CompuServe. Clippings include latest on the environment, wildlife, fishing, hunting, firearms, snow sports, boating, camping, scouting, cycling, birdwatching, climbing, photography and other outdoor topics. There is a \$15 per hour surcharge for accessing OUTNEWS clips.



ARTISTS ONLY

Gearing Up for a Tour

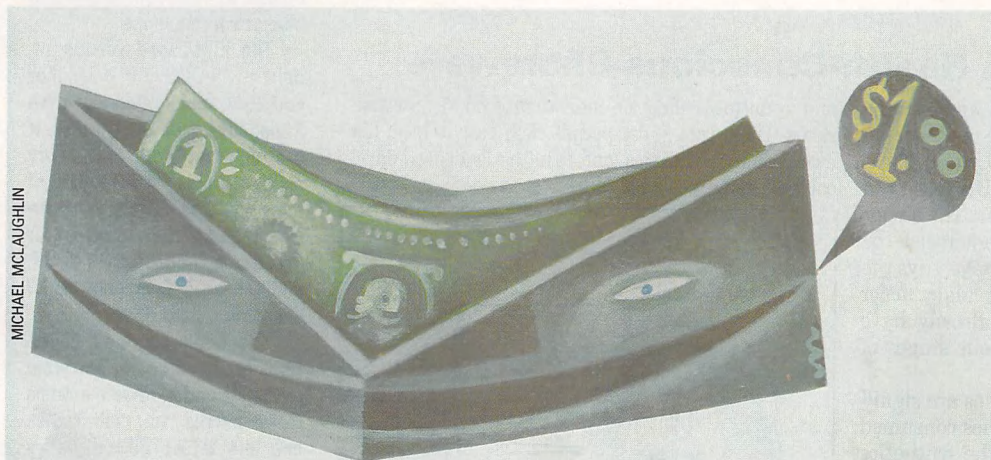
Where do you go for help when you live in California and are trying to plan a 15-state bicycle tour on the other side of the country? If you are a CompuServe member like Perry Jaster, you log on and head right for the Outdoors Forum (GO OUTDOORS).

A 44-year-old engineer from Los Angeles, Jaster says he received great response from CompuServe members after he posted a message in the Cycle/Run/Walk message section about his Maine-to-Florida ride. The subject of the message: "Which Way East Coast?"

Jaster and his daughter Jame, 21, will begin the trip in Bangor, Maine, on September 11. After riding about 2,100 miles, they expect to arrive in Jacksonville, Fla., near the end of October.

Jaster planned the route with maps from Bikecentennial, a national bicycle touring organization. Outdoors Forum members offered first-hand knowledge of roads to avoid, places to stay, sites to visit and locations where emergency help can be found. Forum members also offered suggestions on how to cross the Chesapeake Bay from Maryland's Eastern Shore to Annapolis via the Bay Bridge, where bicycle traffic is frowned upon. (The suggestion: wave money at passing motorists until someone offers them a ride, or flag down a state highway patrol car.)

"Both of us were looking for a ride we hadn't done," says Jasper. "We decided on this because Jame had never been back East." CompuServers who had were happy to help out.



When Ben Franklin Talks, People Listen

"Money talks," figuratively speaking, by giving all of us buying power and exerting influence. This figure of speech now has a literal meaning for visually handicapped individuals who use the Talking Wallet.

Marketed by the American Foundation for the Blind, the Talking Wallet is an optical-scanning, personal-sized money identifier which announces the denomination of paper currency. Unlike coins, bills are indistinguishable by touch, forcing sightless persons to either carefully segregate them or rely on the

assistance of a sighted companion or stranger. The Talking Wallet solves this problem by identifying and announcing the value of \$1, \$5, \$10, \$20, \$50 and \$100 bills. Powered by four AA batteries, the wallet measures 6 by 3.5 by 2 inches and costs \$449.50.

For more information or to order (catalog number AFB655), contact the American Foundation for the Blind, 15 West 16th Street, New York, NY 10011. The phone number is 201/862-8838. To learn about other adaptive equipment and technology, explore the Handicapped Users' Database (GO HUD).

I said, a 'Bulb Light'!

How many public relations executives does it take to screw in a...?

It began with a question "Why do people buy light bulbs?" posted in the marketing section of the Public Relations and Marketing Forum (GO PRSIG). The message poster himself shed a little light on the reason: "People don't buy them to give light, since the sun and a window can do that for less money and with better aesthetics. You don't buy them to save money on candles (or) to feel sexier or more successful. My theory: People buy light bulbs to cure darkness. Same reason they buy candles or open curtains. But the features of light bulbs give them attributes that satisfy needs, and the satisfaction of needs delivers benefits."

But other users had their own theories. "They buy light bulbs because they have a coupon" was one. Another was "to bring enlightenment to dark questions." Someone in the Midwest swore that people buy light bulbs out of boredom, what with movies and restaurants in the middle of the country being behind the bicoastal trends and sex being so problematic these days. "That pretty much leaves light bulbs," he sighed. "There's nothing like the sweet, sensuous sound of the supermarket scanner as it chirps its approval of another four-pack."

Then there was the suggestion that light bulbs don't really create light anyway—"what they do is suck in the darkness. A more appropriate name for them would be 'darksuckers.' Eventually, they fill up with darkness and don't work anymore."

It was, literally, a brilliant thread. (Or do we mean filament?)

Monitor

Edited by Gayle Brown

Contributors:

Mike Pietruk, Gary Plummer, Randy Rendfeld, Lindsay Van Gelder



MEMBER ESSAY

When Headlines Aren't Enough

At 9 p.m. on March 12, my husband and I saw our 11-year-old daughter, Jennifer, off at the Amtrak station in Charleston, SC, for a school trip to Washington, DC, along with thirty-four other sixth graders and six chaperones. At 7:00 the next morning, a friend called to say that the train had been rear-ended by a freight train. I later found out that five cars had been derailed.

There were no reports of serious injuries. Soon a teacher from the school called to confirm that all the children from

Mason Preparatory School were fine and were being bussed to Washington from the scene of the accident in Rocky Mt., NC. Still, I wanted details.

My husband suggested that I call a local radio or TV station to get the wire service report. "I can do better than that," I thought.

I went upstairs, logged onto CompuServe, which I had been using for other services, and joined the Executive News Service. Within three minutes I had reviewed the wire services for news of the accident. Rather

than the two-line blurb the radio stations devoted to the accident, I was able to read a whole page detailing what had happened. It was comforting to see that local police at the scene of the wreck had described the accident as only a "fender bender."

As I was reading the details from UPI, the old newspaper cry, "read all about it!" came to mind. The next thing I did was to create a "clipping folder," anticipating that Jennifer would want to read all about the accident on her return. The Executive News Service literally allowed our family to read all about a news event that touched our lives.

Eve Coleman
Charleston, SC

CompuServe Magazine invites *CompuServe* members to compete for 10 hours of free connect time by writing a 200-word essay describing original uses for the Information Service.

Send essays to *CompuServe* User ID 70003,4623. Please include your full name, address and User ID number. Watch for winning essays in *Monitor*.

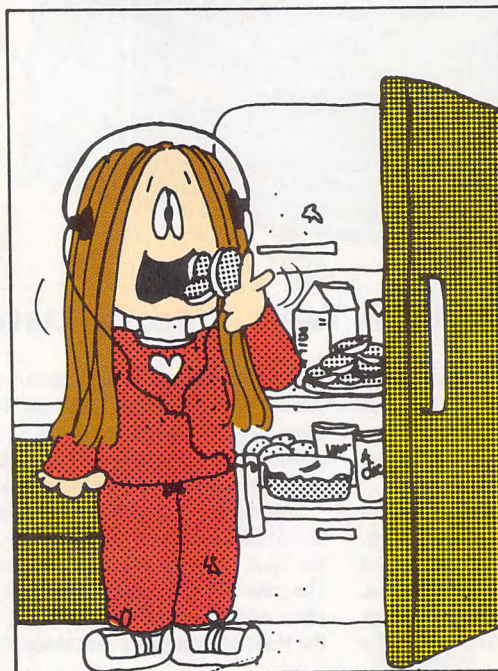
Fat Facts Found in Health-Conscious Shareware

If a summer's worth of barbecues and banana splits are making their appearance in the waistline, take heart from a recent United Press International (UPI) report quoting University of Tennessee food researcher Bill Morris. The savior for those of us who seemingly cannot resist the temptations of meats, sweets and snacks, says the food expert, may lie in artificial fats. "Many major companies," according to Morris, "already have patents and at least 20 are in various stages of development."

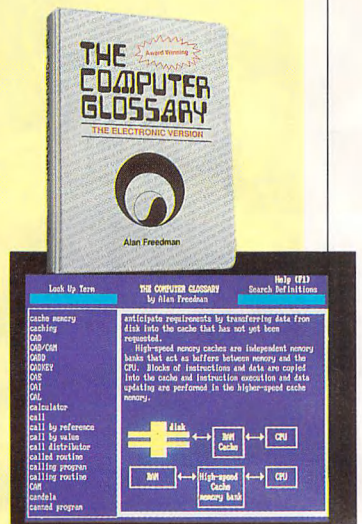
Morris believes that the discoveries are significant because 40 percent of the calories consumed by an individual are from fat, with the synthetics more than halving that number. These artificial fats can replace natural fats in foods such as ice cream, dressings and other additives.

Weight watching, however, won't go completely out of style as the body does require some natural fat. To assist in control efforts, the Health & Fitness Forum (GO GOODHEALTH) offers a number of helpful text and program files in Library 10, "Nutrition." Begin by determining just how many calories you daily require using the simple formula found in IDEALC.TXT. With this in hand, turn to SLIM2B.ZIP. This 180K IBM-PC and compatibles package not only calculates your ideal weight but also tracks your daily weight and calorie intake, plotting the results. Additionally, it provides extensive food tables that allow selection

and counting/scaling of individual food or exercise items. These tables also permit each user to have his own custom food tables, and save the last seven days' calorie lists as callable files.



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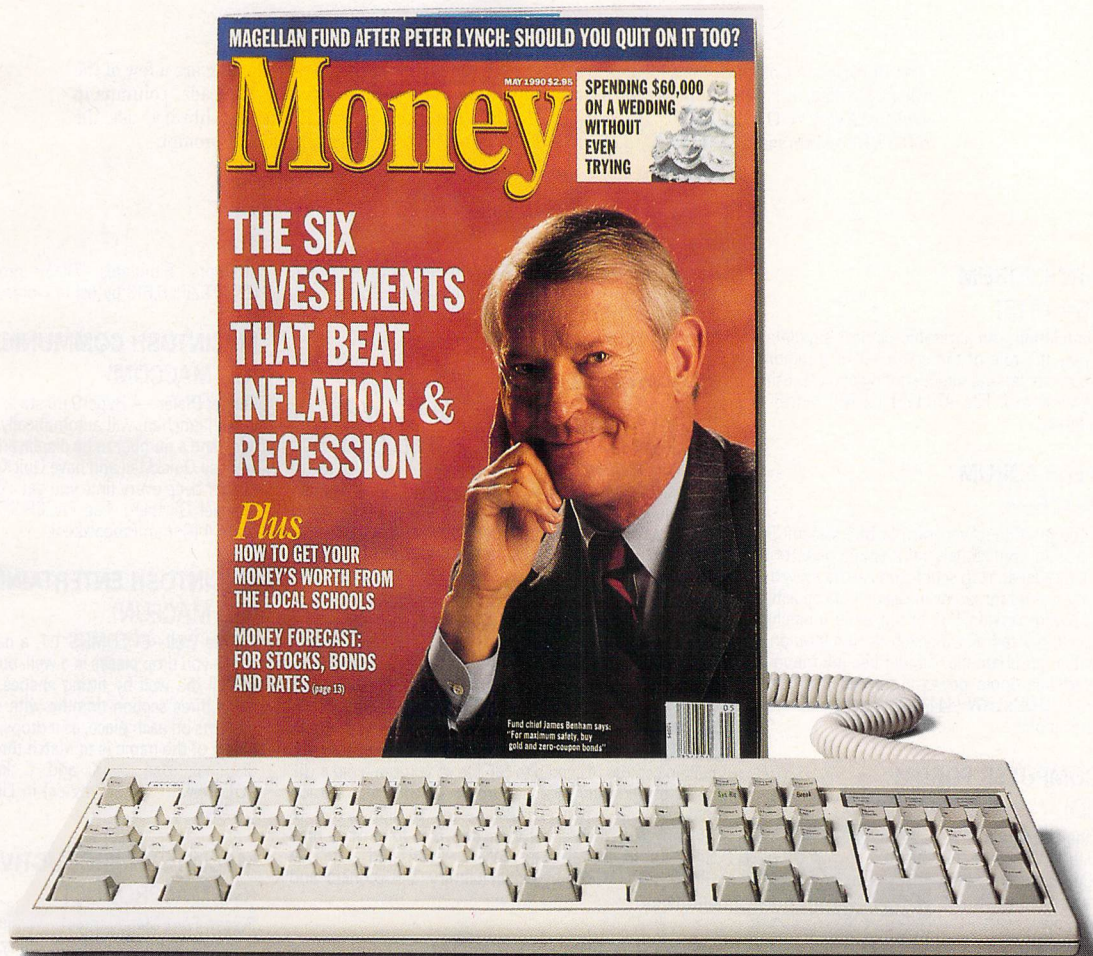
A Book That Will Flip Your Bits

Don't know the difference between a bit and a byte, or need the pin-out arrangement for an RS-232 interface? The answers might be found in the 5th edition of Alan Freedman's *Computer Glossary: The Complete Illustrated Desk Reference* (AMACOM, \$24.95), available on disk for IBM-compatible and Macintosh machines.

The IBM-based version requires MS-DOS 2.0 or higher and 256K, consuming less than 2 megabytes on a hard disk. It can run stand-alone or memory resident in as little as 32K of memory. The Macintosh version requires HyperCard 1.2 or greater, 1 megabyte of RAM, and takes up 2 megabytes of space on a hard drive.

The book contains definitions for hundreds of software packages and hardware models from micros to mainframes and the latest Silicon Valley slang. Charts enhance the explanations of personal computing, computer graphics, desktop publishing and local-area-network terminology.

Priced at \$59.95, the package should be available at most major software dealers. It can also be ordered directly from The Computer Language Company, 5521 State Park Road, Point Pleasant, PA 18950; 215/297-5999; fax: 215/297-8424.



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GO OLI for more information.

Current Hits

by David Peyton

The libraries in CompuServe's forums are filled with thousands of files. The following are a few of the files uploaded in recent months. For a more up-to-date list, check the weekly "Uploads" columns in *Online Today* (GO OLT-3700). To locate a file that has been moved to another library, use the BROWSE command and a wildcard. For example, type BRO *.ARC at any forum prompt.

AMIGA ARTS FORUM (GO AMIGAARTS)

Air-Traffic Simulation—An air-traffic control simulation game. You play the role of the controller of a regional air-traffic control center and direct arriving and departing flights. Multitasks well. File ATC.LZH (25,600 bytes) in Library 4 (Games).

AMIGA TECH FORUM (GO AMIGATECH)

BBS for the Amiga—Citadel version 3.31 BBS system. The system can be run immediately on a single diskette by executing the Citadel-startup script, and can be moved to a hard disk and set up for larger message/log capacities. You'll need LHWarp version 1.31 or higher to un-archive this file. Fully formatted and indexed documentation is contained within an LHarc file. Citadel has international networking facilities, doors, powerful command structure and more. File CITDL3.LHW (444,032 bytes) in Library 4 (Telecommunications).

COLOR COMPUTER FORUM (GO COCO)

Down in the Dungeon—The Dungeon Depths, a game for the Color Computer in which you must traverse 10 levels and recover the Power Orb. The game includes complex mazes, monsters, life zappers, one-way doors, slides and other obstacles to make it a difficult challenge. To play *The Dungeon Depths*, you need a 512K CoCo, a joystick and TC3 to un-archive the main file. See file DUNGE0.TXT (505 bytes) describing the necessary equipment needed to download the two main files. DUNGE0.ARC (53,120 bytes) is the main file and DSOUND (156,672 bytes) is the digitized sound file. All files in Library 11 (CoCo3).



COMMODORE ART/GAMES FORUM (GO CBMART)

GEOS Files—An SFX file containing two GEOS files: FONT DUMP II and FONT DUMP.DOC. This newer version of the program will run in both 40 and 80 column modes under GEOS 128. It also will auto-configure for any printer driver with print resolution from 41 to 80 DPI so that no text is truncated at the right-hand edge. This program generates font "style sheets" for GEOS fonts. Load and run in 64/128 mode to self-extract, use CONVERT to recover to GEOS. File FDUMP3.BIN (10,368 bytes) in Library 13 (GEOS in General).

DESKTOP PUBLISHING FORUM (GO DTPFORUM)

Desktop Publishing Help—Ten Do's and Don'ts offers basic typographic guidelines for DTP newcomers. By art director Lawrence Miller. Ten downloadable fonts: Amer-

ican Typewriter and Bold, Franklin Gothic Book, Demi, Heavy, Futura Bold, New Baskerville, Italia Book, Italic, Bold. File 10DNDS.SIT (41,728 bytes) in Library 10 (Design Issues).

GENEALOGY FORUM (GO ROOTS)

Search Utility—Version 2.3 of MAXFIND for MS-DOS systems. Multistring/line text search utility. Up to 15 strings. Logical AND/OR combinations. "Fuzzy" search (spelling need not be exact). Search subdirectory or entire disk. Searches 60K to 90K per second at 8 MHz. File MAXFND.ZIP (27,648 bytes) in Library 3 (MS-DOS Software).

GRAPHICS SUPPORT FORUM (GO GRAPH SUPPORT)

Multi-GIF Viewer—Version 3.0 of GIFDESK allows you to view many GIFs at once. VGA or SVGA required. Much faster than version 1.1. Includes DOC file with more information and EXE file of about 50K. It contains a built-in capture of screen to GIF file so you can build a GIF index of all your GIFs. See up to 80 GIFs at once (on SVGA). Toggle between 640-by-480 to 800-by-600 to 1,024-by-768. Toggle between one GIF, four GIFs, nine GIFs, up to 80 GIFs on SVGA. You'll find it in file GIFDES.ZIP (31,890 bytes) in Library 3 (Decoders and Encoders).

HEALTH & FITNESS FORUM (GO HOM-54)

Aerobic Training—An explanation about the importance of maintaining the correct training heart rate during aerobic exercise. Concepts covered are intensity of exercise and its relationship to oxygen consumption, and how exercising at the appropriate rate will help you to lose or maintain weight loss. File EXERCI.THR (8,200 bytes) in Library 7 (Exercise & Fitness).

IBM NEW USERS FORUM (GO IBMNEW)

Space Cruiser Game—*Space Shades* for IBM PCs and compatibles places you in the cockpit of a space cruiser. During play, you look out of a window into 3D space. You control your cruiser, a space station and a spy remote while exploring planets in preparation for your encounter with a hostile enemy. Supports one and two players via modem. File SHADES.ZIP (109,502 bytes) in Library 6 (Gen Fun & Games [N]).

IBM SYSTEMS/UTILITIES FORUM (GO IBMSYS)

Security Program—LOCKIT, a program for IBM PCs and compatibles that makes system-locking easy. Just type LOCKIT or run from your AUTOEXEC.BAT and use the default password and fake a DOS prompt. Or enter your own password and prompt from the command line. Features separate log files, named by date and numbered by

attempt. Simulates DOS prompt perfectly. File LOCKIT.ZIP (6,613 bytes) in Library 3 (General Utils [S]).

MACINTOSH COMMUNICATIONS FORUM (GO MACCOM)

Beeper Dialer—A HyperCard stack for the Macintosh that, when launched, will automatically dial a beeper number and send a number to be displayed on the pager. Handy if you use QuickMail and have QuickKeys. You can have your beeper beep every time you get a QuickMail message. By Michael Ginsberg. File PAGER.SIT (11,536 bytes) in Library 4 (Comm Progs/Utils).

MACINTOSH ENTERTAINMENT FORUM (GO MACFUN)

Fill the Well—COLUMNS 1.1, a new shareware game in which you drop pieces in a well, but unique in that you do not fill the well by fitting shapes. Rather, each piece is like a three-section domino with different patterns. The patterns on each piece, as it drops, can shift position. The object of the game is to match three patterns in a row or diagonal. Use J, K and L keys for control. File COLUMN.SIT (60,928 bytes) in Library 2 (Arcade/Action Games).

MACINTOSH PRODUCTIVITY FORUM (GO MACPRODUCT)

Screen Font Management—Version 1.22 of the FONDLier, a screen font management utility, allows users of "harmonized" font systems to copy/move fonts between suitcase files without disrupting any resource IDs. Quickly breaks down large library suitcase files into individual family files. Catalogs resource data including PostScript and printer file names to disk or printer. Supports DAs. FONDLier, System Conflicts features, v1.21 copy/move and print fix. Expanded docs. File FNDLR4.SIT (51,200 bytes) in Library 7 (Utilities).

MICROSOFT APPLICATIONS FORUM (GO MSAPP)

Phone Dialer for Windows—METZ Dialer, version 2.0, a shareware phone dialer for Microsoft Windows. Dialer has a customizable pull-down menu for speed dialing. Requires a Hayes-compatible modem. Supports Dynamic Data Exchange. This version is compatible with Windows 2.x and Windows 3.0. Documentation included. File DLR.EXE (26,624 bytes) in Library 2 (MSWIN).

PC MAGNET UTILFORUM/TIPS FORUM (GO PCM:UTILFORUM)

Command Line Calculator—An archive containing all of the files for COMPUTE, including COMPUTE.ASM, COMPUTE.COM, COMPUTE.DOC (includes COMPUTE sidebars). COMPUTE is a command line calculator that performs five functions: add, subtract, multiply, divide and modulo. It lets you perform simple calculations at the DOS prompt. From *PC Magazine*, Utilities, volume 9, Number 10. File COMPUTE.ARC (25,806 bytes) in Library 2 (Utilities).

Oldies but Goodies

by David Peyton

Following is a list of files uploaded to CompuServe forums more than a year ago that have won the right to be called "oldies but goodies," either by the recommendation of forum administrators or by the number of downloads each file has received.

AI EXPERT FORUM (GO AIEXPERT)

Computer Psychiatrist—A variant of the famous ELIZA conversational program that simulates a psychiatric session. This one is called FRANK and will run under DOS 3.1 or 3.2 on MS-DOS computers. File FRANK.ARC (31,360 bytes) in Library 15 (Beginner's Corner).

AMIGA ARTS FORUM (GO AMIGAARTS)

Monopoly for the Amiga—A Monopoly-style game for the Amiga. It multitasks, adheres to the rules of Monopoly, provides "save game" features and has graphics. Public domain software from Ed Musgrove. File MONOPO.ZOO (142,509 bytes) in Library 4 (Games).

ASTRONOMY FORUM (GO ASTROFORUM)

Solar System Graphics—A program for MS-DOS systems that creates, then animates, a little solar system. It will randomly create up to 60 planets, all with different masses, and put them into orbit around a sun. Then, using Newton's law of gravitation, it calculates each planet's new position. It also displays the distance from each planet to the sun and the distance the sun has moved from the center of the screen. File SOLSYS.ARC (69,676 bytes) in Library 7 (Astrocomputing).



ATARI 8-BIT FORUM (GO ATARI8)

Atari Monopoly—A Monopoly-like game of buying property and making improvements to same. You can sell in this game and well as collect and pay large sums of money. No joystick required. File CAPITAL.OBJ (7680 bytes) in Library 10 (Games/Entertainment).

ATARI PRODUCTIVITY FORUM (GO ATARIPRO)

Elemental Table—A periodic table program and desk accessory for the Atari. Click on an element and find its name, symbol, atomic number and weight, valences, melting point and boiling points. This file contains both the program and the desk accessory versions. File PERIOD.ARC (30202 bytes) in Library 5 (Applications).

BORLAND APPLICATIONS FORUM (GO BORAPP)

Command Line Appointments—Display the day's appointments in a SIDEKICK PLUS appointment file from a batch file or at the command line without invoking SIDEKICK PLUS. This version will read your appointments, test the date and sort the print-only appointments for the days specified by you and the system clock. File APP.ARC (16,628 bytes) in Library 2 (Sidekick Plus).

COCO FORUM (GO COCO)

CoCo Disk Utility—KDSK, the disk utility for the CoCo. Features include sector editing, sector dumps in ASCII, hex or both. Formats disks, sorts files, fast backup, copy and kill routines, analyzes disks, does track reads and displays everything, including control bytes. Uploads from tape, encrypts/decrypts files, has database to keep track of files and disks. File KDSK.BIN (25,088 bytes) in Library 8 (Application/Utility).

COMMODORE ART/GAMES FORUM (GO CBMART)

Buggy Madness—An action game for the Commodore where you have to watch your speed and gasoline and make sure you don't hit another car in your attempt to get from New York to California in four days. Instructions are in the program. File BUGGY.BIN (9,984 bytes) in Library 8 (Arcade/Action Games).



EPSON FORUM (GO EPSON)

LQ Printer Program—A program that downloads extra characters to an LQ-series printer. There are 23 downloadable characters including: delta, psi, copyright, trademark, star, partial derivative, slashed zero, arrows, paragraph mark and other. Any number of characters may be downloaded and assigned to the keys of your choice. A variety of fonts and sizes are supported. File XTCHAR.ARC (32,629 bytes) in Library 5 (Matrix Printers).

FOREIGN LANGUAGE FORUM (GO FLEFO)

Foreign Language Calendars—A program for MS-DOS systems that creates calendars and schedules in 16 languages: Afrikaans, Danish, Dutch, English, Finnish, French, German, Italian, Korean (romanized), Norwegian, Polish, Portuguese, Serbo-Croatian, Spanish, Swedish and "Texan." Yearly, monthly, weekly or daily. Prints to paper, screen or disk. Also other novelty calendars. File INTCAL.ARC (26,731 bytes) in Library 12 (Computers/CAI-CALL).

GAMERS' FORUM (GO GAMERS)

Code Red—A program for the Commodore to simulate your entering a defense department computer and starting a nuclear war. Use any six-digit code for the code prompts and the word Langley (+ anything) at the command level prompt. To make it more believable, try giving a small speech to an unsuspecting friend about how you remember the codes or how you got them. Try different things at the command level such as Code Red, Minute-man, etc. File DEFCON.C64 (6575 bytes) in Library 3 (War/Strategy Games).

HYPERTEXT FORUM (GO MACHYPER)

Strange Animals—A HyperCard stack that allows you to juxtapose animal halves to make strange creatures. Speak name, habitat and the sound animal makes. Draw your own. Teaches zoology, geography, phonics. Can use with MacinTalk. Free stack. File ALARK.SIT (91,008 bytes) in Library 3 (Education).

IBM APPLICATIONS FORUM (GO IBMAPP)

General Ledger Shareware—CheckMate-GL, a complete general ledger (accounting) package. Features pull-down menus, pop-up windows and context-sensitive help. Up to 256 accounts, fully editable journal entries. Extensive search and filter functions for all databases and reports. Both pre-defined and user-custom reports available. Can integrate with CheckMate (checkbook manager). Shareware. File GL170.ARC (227,501 bytes) in Library 5 (Business Acct [A]).

IBM COMMUNICATIONS FORUM (GO IBMCOM)

Communicate in Background—Backdoor, a background communications program. Features terminal emulation, Xmodem, Ymodem and Kermit file transfer protocols. Supports Hayes modems. Has pop-up menu-driven interface, a time file send feature. File BACKDO.ARC (71,168 bytes) in Library 3 (Comm Programs [C]).

INVESTORS FORUM (GO INVFORUM)

Stock Tracking Program—Version 3 of \$tokTrax system, a technical analysis program that provides portfolio analysis. Includes EGA and VGA color graphics as well as AT&T and CGA hi-res mono graphics. Extensive use of windows and moving-bar windows. Full documentation, the \$tokConv data converter and several sample data files are included. Shareware. File STOKTR.ARC (345,856 bytes) in Library 1 (Stocks/The Market).

MAC FUN FORUM (GO MACFUN)

Desk Accessory Blackjack—A blackjack game in a DA. Casino options allows you to adjust the play to that of your favorite casino, choice of the number of decks with which to play, a built-in card counting system that you can adjust to suit your style. The game also remembers players, high scores and bets, suggests hints and more. File BLACKJ (27,136 bytes) in Library 4 (Board/Card/Ed Games).

David Peyton co-authored How to Get the Most Out of CompuServe, now in its fourth edition. His CompuServe User ID is 76703,244.

Changing Latitudes

► **From here on, leave it all behind. Sip café con leche in Madrid and sleep to howling Belize baboons.**

It's the ultimate wish: heading to the airport with a credit card, and taking off. No disappearing act. No "I'm never coming back" attitude. Just an unconquerable impulse to wander. Maybe just for a weekend.

It's a dream that trickles in and out of our minds, a dream that for a brief moment seems possible...taking the kids out of school and heading the Pathfinder south to Mexico; hopping a steamer down the Rhine; or wandering into the never-before-inhabited territories of Labrador. But it's a dream, and one that never seems to get beyond the revolving downtown door, the unmown lawn and the kids' swimming lessons.

According to a 1989 Louis Harris poll of 1,500 American travelers taken for *Travel & Leisure* magazine and printed in *American Demographics* (October 1989), most people don't fulfill their travel dreams. Given unlimited time and money, however, one in eight would travel to the South Pacific, in contrast to the one in 100 who actually do; one in three would go to Europe as compared to one in 20. And if dreams really did come true, 7 percent would schmooze with Eskimos in

Alaska as opposed to the actual 1 percent, and more would visit the Middle East, Asia, Africa and South America.

It seems that the dreams remain dreams. Except for a few.

Take, for example, William Least Heat Moon who, upon losing his job at a small college in Missouri, packed up a half-ton Ford

van and set out to explore the unsung side of America—Remote, Ore.; Why, Ariz.; and Whynot, Miss.—and then wrote *Blue Highways* to tell about it.

Author Mary Morris, a self-professed journeywoman and wanderer of the planet, grew weary of her New York life and traveled a dusty road to Mexico's San Miguel de Allende. "I went in search of a place where the land and the people and the time in which they lived were somehow connected," she writes in *Nothing to Declare*, the 1988 published memoir of her Latin American wanderings.

And then there are the people we've brought together on the following pages, such as CNN correspondent Lori Butterfield who devoted a career to reporting on the world but dreamed of traveling it, and turned that dream into a reality; free-lance writer Maura Mackowski who, in the Hemingway tradition, wandered through the Spanish towns of Toledo, Segovia, Avila and Salamanca; and college professor Holly Miller, who sought a college work program, and, upon demanding the "toughest assignment you've got," found herself building a road in Belize.

So if you're beginning to think like Linda and David Howard, the couple in Albert Brooks' 1985 comedy *Lost in America*, who decided their future needed to be more than a bald-headed man from New York and set out to touch Indians, the following pages will give you ideas of how to make it happen with online resources. And even if you're a confirmed armchair traveler, there's lots here to fill the imagination with wanderlusty thoughts and dreams.

FEATURE

CM's Cover Story:

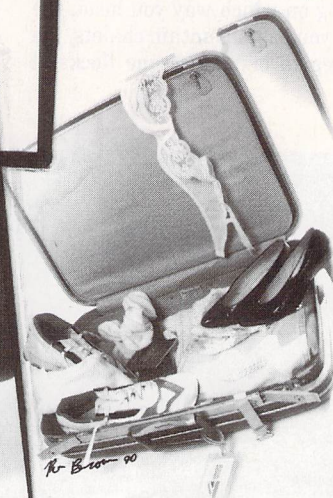
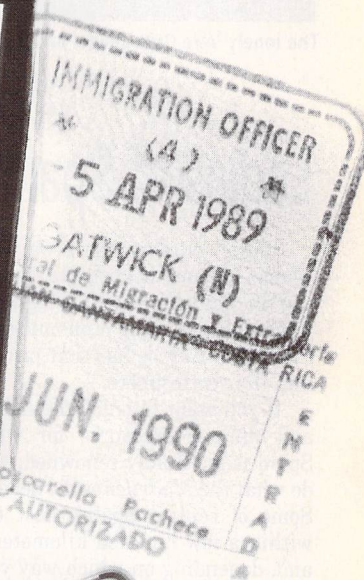
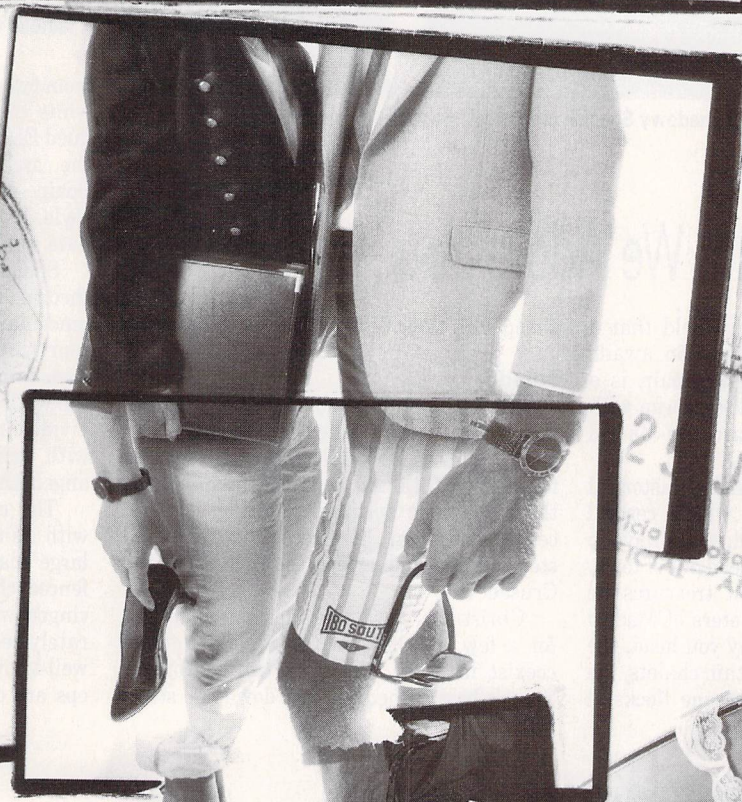
How to Get Lost



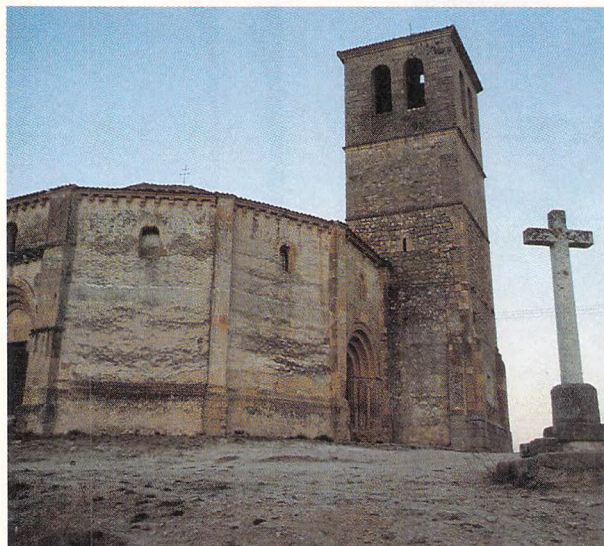
An Evening with Bugs
the Size of a Buick
and Other Stories, p. 20



How to Get There
from Here, p. 22



by Maura J. Mackowski



The lonely Vera Cruz chapel and a shadowy Spanish city street: Segovia, Salamanca



A famous first-century aqueduct: Segovia

Ladies of Spain, We Adore You

Tourist wisdom has always held that a wonderful yet inexpensive vacation awaits you in Madrid. It's half right; Spain is a wonder, but playing economic catch-up with the rest of Europe has sent prices in Madrid into the stratosphere.

If you want to enjoy the many historical and natural treasures for which central Spain is justifiably renowned, you'll have to do what the *Madrileños* do: head out of town. Some of central Spain's best treasures lie within a few hundred kilometers of Madrid and, depending on which way you head, the ride will take you past mountain chalets, the bull-raising region or picturesque flocks of

sheep with their faithful Basque shepherds.

Toledo

There's a "Calle de Toledo Ohio" to salute this magnificent walled city's American cousin. This is Holy Toledo, though, famous for its breathtaking religious architecture, the evocatively spiritual paintings of 16th century resident El Greco and renowned steel swords and armor that outfitted the Crusaders.

Christians, Jews and Moslems managed for a few centuries in the Middle Ages to coexist in peace here. You can see one of Spain's best cathedrals just down the street

from two ancient synagogues, the dazzlingly white Santa Maria la Blanca and the subdued El Tránsito. Santa Maria—and much of the architecture you'll see anywhere in Spain—borrows heavily from the Moorish style, known for its pillared arches and ornate scrollwork relief.

Spend as much time outside Toledo's cathedral as you do inside—and bring your binoculars. The western facade opens into a courtyard where you can crane your neck at some unbelievable statuary carved high into the walls. Along with a lifelike Last Supper, vividly animated religious figures interact with their audience. Inside, don't miss the angels that reach down to you from on high.

The cathedral took 160 years to build, with its nave some 1,300 feet high and four large aisles that contain numerous small, fenced chapels. Many large cathedrals are ringed with these darkened chapels, elaborately decorated and dedicated to saints both well-known and obscure. Tombs of past bishops are often set into the floor and chapel

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A Plane to Spain:

GO SABRE, then select "Travel Reservations" followed by "Flight Reservations" and type in the requested cities.

walls. Given enough pre-Vatican II Latin, you can pick up some of the local history from the inscriptions. Most of the chapels are locked except for celebrations on certain feast days, and flash pictures are prohibited, as they are in all the churches.

Light from more than 700 leaded-glass window panes illuminates the interior. A side room contains a silver and gold jeweled monstrance, constructed in 5,600 separate pieces and weighing 500 pounds. Another room houses religious robes and miters, some 500 years old, embroidered lavishly with gold and silver from the New World. Also inside the cathedral are contributions on canvas from Rubens, Titian and El Greco.

Stroll Toledo's labyrinthine streets, full of steep switchbacks, cobblestones and gateways. The narrow roadways and darkened stone give it a decidedly medieval look and a feeling that nothing has changed here in the greater part of a millenium. Prices in Toledo—and all the cities outside Madrid—are low enough to pick up some damascened jewelry without flinching, and there are enough ceramics, leather, armor and swords to cover everyone on your souvenir list.

Segovia

You won't have to hunt around for Segovia's famous aqueduct. The engineering marvel of first-century Rome completely fills your line of vision as you round the corner and enter town. Stretching more than 700 meters in length and more than 28 meters in height, it has 167 archways—but absolutely no concrete to hold it together. It's also almost impossible to take a bad picture of it, and you have your pick of vantage points both high and low.

A short walk brings you to Segovia's cathedral, begun in 1563. Vendors outside sell several kinds of snacks, including cookies that look like enormous communion wafers embossed with cathedrals.

Segovia also has the Alcázar. The word translates as "castle" and lots of cities have

Si, But What About the Water?

A few words of advice not in the tourist manuals can help make your trip to Madrid one you'll want to repeat:

- ▶ Don't touch the bread rolls in the restaurants. Ditto for the butter and just about anything else you'd take for granted here. Everything in Spain is extra, right down to the water.
- ▶ Check the unit price when ordering seafood. What looks like a good buy, say a lobster for \$10, is really \$10 per ounce. Crab or lobster will cost you around 9,900 pesetas, or \$90. Shrimp, clams, barnacles, etc., are all priced per piece.
- ▶ Spain siestas are from about 1:30 to 4:30 p.m. Eateries, banks and tourist attractions will be closed. You won't be able to buy yourself dinner until the Madrileños eat—around 10 at night, kids included.

If tucking into a heavy meal nigh unto midnight doesn't appeal to you, take an evening *paseo* in search of *tapas*. Many eat these hors d'oeuvres as a meal, though you have to like fried food an awful lot to do so.

- ▶ Allow twice as much time to drive as you think. The drivers are courteous, the cars reliable, the highways immaculately maintained, the *Guardia Civil* right on top of any mishap. However, one- and two-lane highways simply aren't adequate for a capital city of several million people, all of whom have cars.
- ▶ Erase the word hotel from your vocabulary. Rooms are never available and never affordable. Look for signs saying *fonda*, *hostal*, *pensión*, or *residencia* though, and you'll find a clean, quiet room with bath for about \$25 a night.

them, but many tourists will tell you Segovia's is the best. Built on a piece of land jutting out into the confluence of the Eresma and Clamores rivers, it looks from some vantages like a daunting battleship and from others like the home of a fairy princess.

The armory is stocked with excellent sets of armor individualized for each wearer. The moat is conveniently drained so that the stronghearted can lean over and estimate its daunting depth. The strong of wind can climb the very narrow stone staircase leading to the highest rooftop in Segovia. The view is worth every huff and puff, with a panorama of the town, the river, the countryside and the nearby caves where a few country folk still reside.

Save your appetite for Segovia, too, though happily you won't have to save much cash. Snug under a leg of the aqueduct is the

Mesón Cándido, a 15th-century building that's been serving meals since 1860. They've got the recipe down pat by now, offering up succulent roast suckling pig, quail and lamb in a setting that doesn't just look old and quaint; it *is* old and quaint. Skip the \$100-a-plate meals in Madrid and tack a dollar bill on the wall at Cándido's while they cook you a \$15 meal that is really and truly a gift from the heartland of Spain.

Avila

American tourists think every foreign country ought to look, sound and smell just like the Disney version. Avila's (say AHHvila, not aVEELa) famous wall really *does* look like Walt just had the Seven Dwarfs whip it up. Begun in 1090 and finished in only nine years by several thousand artisans and conscripted Moors, it boasts 88 towers and nine gates in its

Pickup-dropoff dates: SEP 01, 1990-SEP 14, 1990
Location: Airport
Rate type: Standard

AVIS

Rentals in MADRID

Rates in USD

Cars	Vehicle Type	Daily Rate	Free Miles	Mileage Charge	Status
1	Mini	90.42	Unlimited		Request
2	Economy	112.41	Unlimited		Request
3	Compact	135.06	Unlimited		Request
4	Intermediate	222.83	Unlimited		Request
5	Standard	258.04	Unlimited		Request
6	Full-size	287.01	Unlimited		Request
7	Premium	369.31	Unlimited		Request

For RESERVATIONS or DETAILS, enter the line number of your preferred vehicle, or
10 View rental RULES 14 View the FIRST display
11 Display more vehicle TYPES 15 Make a NEW request
12 Change car COMPANY 16 Change PICKUP location
13 Change RATE type

Un coche arriendo:

Need transportation in Madrid? GO SABRE,
choosing "Travel Reservations" and
"Rental Cars." *El varoom!*

one-and-a-half mile perimeter. The average height is about 40 feet and the stonework is about 10 feet thick throughout. The best spot for a photo is on the road running north to Salamanca, at Cuatro Postes.

Take a walk at night when the wall is lit and you will feel what must have been in the hearts and minds of a people whose world was for centuries a lonely battleground of religion. The contemplative mood this gem of a city inspires is reflected in the memorials to its best-known citizen, Theresa of Avila. She put mysticism on the Church's reading list with works penned in between founding several cloisters. She is venerated with great seriousness in Avila, with a week-long festival from Oct. 7 to 15, a special treat called *yemas*, or candied egg yolks, and a shrine that holds a number of her relics.

Salamanca

Younger than Oxford by just a few years, the university here was a candle in the darkness during the Middle Ages. Students still reign in this city that was old when Hannibal and his elephants rumbled through in third century BC.

Salamanca has "old" and "new" cathedrals to tour, built in 1140 and 1513, respectively. The university is also open to visitors, and guides will show you through centuries-old lecture rooms still in use. Christopher Columbus slept here, staying for a time at the convent of St. Stephen. Before you leave Salamanca, have someone show you the good luck charm of the many students who've worked their way through—the infamous toad on a skull. Stop in Salamanca's Plaza Mayor for a *café con leche*, an extra strong coffee with double sugar and an inch of heated milk. Folks will tell you that this is the finest such Plaza in all of Spain. Here and there enormous stork nests crown

Salamanca's man-made architecture with Nature's kind of grace and permanence.

Finding a good meal in Salamanca isn't hard at all. Finding a table to eat it at may be. The restaurants are unbelievably tiny, often holding only four tables.

Salamanca, like Avila, also has a *parador*. These are hotels run by the Spanish government at a price somewhat less than a regular inn. Their appeal is the setting; typically a renovated historical structure outfitted with phones, TV, pools and air conditioning. If you can find an office of the department of tourism or one of the *paradores*, they will make reservations at any of the others.

And Madrid

Though the side trips are fun, you really can't head home without seeing something of the capital city. The best way to experience Madrid is to put those walking shoes back on—sneakers are not smiled upon in Spain.

Check out the fountains in the traffic circles along the Castellana. Feed the pigeons in the plaza by the statue of Madrid's mascot bear, then stop and gawk at *El Museo del Jamón*. Yes, that's the Museum of Ham, not an archive but a very large store selling every possible permutation of pickled pork.

You'll find Madrid's tapestry factory a small island of tranquility where weavers and embroiderers still create enormous wallhangings using techniques and patterns from long ago. Browse at a used-book stall near the *Prado*, grab a hamburger at a combination video store/restaurant or spoon up a *blanco y negro*, four scoops of vanilla ice cream topped with hot espresso and cinnamon, in the grassy park running the center of the main boulevards.

Next check out the best of the must-sees

from the guidebooks:

El Prado contains works by every great Spanish painter you can think of plus many other European Masters. You'll see the best of Velázquez, El Greco, Goya and Picasso, plus Bosch, Brueghel, Botticelli, Durer, Angelico, Gainsborough, Rembrandt, Rubens, Tiepolo and Titian.

El Palacio Real is the official palace where King Juan Carlos and Queen Sofia entertain visiting heads of state. Chandeliers, tapestries, armor for dogs—they're all here in this elegantly handsome structure crowded with the accumulated royal bric-a-brac of the ages.

El Plaza Mayor—Window shop as you stroll the four arcades that constitute the square or stop for some *vino* and people-watch while the folks on the balconies above the plaza ogle you.

Ernest Hemingway used to nip out the back for a meal at his favorite restaurant in Madrid, *El Botín*. Many towns have their own plazas and they're all excellent places to engage in the Spaniards' favorite nighttime activity, the *paseo*. Around nine each night, throngs of families in every metropolis, village and hamlet stroll through their streets and around the local plaza.

Everywhere you go in Madrid and central Spain, the majority of the people rubbernecking in the cathedrals, castles and art museums are themselves Spaniards. This says something about the immensely popular appeal of their astounding artistic treasures. It also says that a trip to Spain need not be just a once-in-a-lifetime extravagance, but can still be almost as affordable and as manageable as a vacation in your own corner of the world.

Maura J. Mackowski is a free-lance writer based in St. Louis. Her CompuServe User ID number is 76004,2243.

FEATURE

EXPANDED HOTEL/MOTEL DISPLAY
CARLOS V HOTEL
PZA. HORNO MADALENA, 3
TOLEDO, SPAIN
POSTAL-45001
TELEX-47245
RATING-GOOD QUALITY
RATES-DAILY PLAN-CONTINENTAL
L-8256 \$75 LOW SINGLE
L-10346 \$94 HIGH DOUBLE
L-SPANISH PESETA 110.06 PER 1 US \$

Holy Toledo Hotels!

GO OAG, select the Electronic Edition
(Option 1), then type /H for lodgings and
"Toledo, Spain."

by Holly G. Miller



Below-sea-level dwellings need stilts to avoid washouts: Belize house

Jungle Book, the Vacation

Reality set in somewhere over the Caribbean when an attendant passed through the cabin of TAN/Sahsa flight 809 and sprayed disinfectant on both sides of the aisle. "Just a precaution," my seatmate explained knowledgeably. "We have to comply with a lot of international health regulations down here." The medicinal smell of the aerosol cut through its floral coverup and confirmed the obvious: This trip wouldn't be like any of the others.

And that was the whole idea.

Whenever people ask why I volunteered to build a road along Grace Bank in the

jungle of Belize, Central America, I blame George Plimpton, Ava Gardner and my fortysomething birthday. In that order. Like Plimpton, I'm a writer who likes to "experience" a story before offering an account to readers. But the process had worked in reverse with Belize. First, I had written an article about a work program that sends college students on two-week hardship tours to dig wells in Peru, roof shanties in Haiti and help the homeless in India. Then I had decided that I wanted to go, too. I was ready to celebrate another birthday and was anxious for an endurance test.

"Give me the toughest assignment you've got," I requested of the program's director.

"Belize," he answered without hesitation.

I signed on as group leader, then searched for a map that would indicate where in the world I was going. This proved to be futile with maps more than nine years old or those printed in Guatemala City.

A little local history: Before Belize achieved independence from England in 1981, it existed only as British Honduras; and in the eyes of Guatemala, it never has existed at all. Guatemala doesn't recognize its sleepy neighbor as a separate country but

Fares shown LOWEST to HIGHEST				
Fares for 01SEP - See Restrictions				
From: OHARE ARPT		CHICAGO IL		
To: BELIZE		BELIZE		
Fare	Airline			Fare
#	Code	OW Amount	RT	Code
1	CO	\$418.00		BXE30
2	SH	\$450.00		OYE30
3	CO	\$468.00		BWE30
4	TX	\$470.00		OYE30
5	AA	\$488.00		OE30S
6	EA	\$488.00		OE30S
7	SH	\$520.00		Y
8	AA	\$543.00		KE30S

Key RETURN for higher fares
Key Fare Number to See Restrictions

Flying to Belize:

GO PARS, select "Fares" (Option 2), then departure and destination cities, date and fare type.

The Trip that Almost Wasn't

With towns named Double Head Cabbage, Orange Walk, Washing Tree and Tea Kettle, the docile little country of Belize hardly sounds like a hub of international intrigue.

Still, in December 1989, all news coming out of Central America was grim. President George Bush had ordered 24,000 soldiers into Panama, 26 Americans had died, and General Manuel Noriega was rumored to be hacking an escape route north, possibly through the jungle of Belize.

And the Belize jungle was my post-Christmas destination.

Countless articles with Panama City datelines glutted the CompuServe news wires. They were interesting, all right, but my immediate concern was the Belize connection. Should I or shouldn't I cancel my travel plans? Was it safe to take a dozen work campers on a "field trip" to a part of the world apparently under siege?

A week before departure I logged into the Executive News Service (GO ENS) and



Work camp location: Grace Bank river

created a file labeled "trip." Keyword: Belize. Electronically the service monitored the hundreds of reports originating in Central America and collected in my "trip" file only those stories that included the word "Belize." I checked in each evening for a quick assessment. Three articles surfaced, all related to drug trafficking, none linked to Noriega. The trip was on.

Next question: the weather. Warm or cool? With duffle bags crammed with food, sleeping gear and handtools, we had no room for wardrobe options. We had to know

exactly what to expect; but finding accurate information was difficult. The local newspaper's extended forecast never extended beyond Cincinnati, and our TV meteorologist stopped short of Muncie. Even the Associated Press Videotex service (GO WEATHER) didn't include obscure Belize. But it did list Mexico City—warm and sunny. That was close enough.

Finally, we had penciled into our itinerary a mid-week trip to Belize City for souvenirs and lunch. We wanted to find a restaurant with a triple-C rating—colorful, clean and cheap. A pre-departure visit to the ABC Worldwide Hotel Guide (GO ABC) yielded 15 suggestions. Our choice, based on the guide's detailed description, was the Chateau Caribbean, located just 10 minutes from the city's center. It had C's to spare: Chinese cuisine, colonial decor, a Caribbean view, and an assurance that credit cards were welcomed.

—HGM

rather claims it as the northeastern chunk of Guatemala. The border dispute is subtle—some maps merely show Guatemala to be larger than other maps do, while a few still identify the rectangular plot as British Honduras, and some call it Belize.

Whatever the name, I finally located my destination buried in the center binding of my atlas's two-page spread of Mexico and the West Indies. The sketchy text at the back of the book heightened the mystique of it all. Not only did Belize stretch down the steamy Mosquito Coast, but it also boasted miles of unexplored wilderness, scores of uninhabited

islands, Mayan ruins, the world's only jaguar preserve, and easy access to the longest barrier reef in the Western Hemisphere. Our destination was beginning to sound like the undiscovered jewel of the Third World. And we were going to put it on the map. The time seemed appropriate for *somebody* to do it, and I gladly gave my right arm—twice—for back-to-back typhoid shots, a tetanus inoculation and the honor of leading the team.

I started collecting gear weeks before takeoff. All but two purchases were sensible. A trip to the local Banana Republic shop

yielded (on sale) a khaki bush jacket identical to the one Ava Gardner wore in *Mogambo*. I debated over its companion pith helmet, remembering Ava's always-dewy-never-sweaty brow, but decided it was too contrived. I opted for a touch of "Indiana Jones" in the form of a slouchy felt hat. A matched set of sturdy canvas duffles completed The Look.

In preparing for hardship travel it's a toss-up as to which is more unusual—what you take or what you leave at home. Included on the supply list were mosquito coils, bug repellent containing a high percentage of deet, an air mattress, trash bags (to wear), a

CHATEAU CARIBBEAN

6 Marine Parade
P.O. Box 94
Belize City
Belize

Finder Text: Belize, Central America
largest City of Belize, City Suburb

Telephone: 2 72813/30800 Telex: 230
Fax: 30900
Cable Address: CHATEAUCAR
Manager: Michael Pantun

Built in traditional colonial style, this hotel enjoys a favourable location overlooking the Caribbean and just 10 minutes walk from the city centre. It is also situated next to a park and within easy reach of landmarks such as the Baron Bliss Memorial Lighthouse and the Belize City Fort and Wharf. Accommodation consists of 25 rooms and 5 suites, and the hotel is currently undergoing renovation and expansion. The sea-view restaurant on the premises specializes in Chinese cuisine.

Accommodation: 25 Rooms, 2 Suites

Rates (Meal Plan: Accommodation Only)

(Foreign currency exchange rate effective 1/29/90)

Single Room: 100.00 Belize Dollars (\$49.97)

Credit Cards: American Express, Eurocard, MasterCard/Access, VISA/Barclaycard

Twin Room: 120.00 Belize Dollars (\$59.97)

Suite: 140.00 Belize Dollars (\$69.96)

Facilities

(In Rooms) Air conditioning, TV, direct-dial telephone

(In Hotel) 1 restaurant (American, Chinese Cuisine), 3 bars, coffee shop, 24-hour porter service, entertainment, gift shop, free parking, room service, valet/laundry

(Sports/Leisure on Hotel Grounds) Water sports, deep sea fishing, scuba diving

(Sports/Leisure in Hotel Vicinity) Wind surfing, sailing

(Business) Conference centre, max seating 150 delegates, fax, telex

(Languages Spoken) Spanish, English

Not the Alps:

For a beach chateau, GO ABC, select "Worldwide Hotel Listings" (Option 2), then "Other Countries" and type "Belize."

machete, leather work gloves, bottled water, hammock, boom box and malaria tablets. Things to leave behind were makeup, blow dryer, jewelry, Giorgio, dresses and leather-soled shoes.

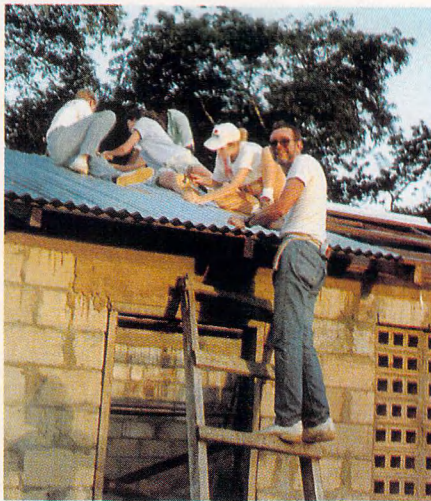
Some adventures are better anticipated than realized. By the time I heaved the twin duffles onto the conveyor belt in Indianapolis on Dec. 28, much of the original romance had dissipated. *Why was I doing this?* I wondered, trying to recapture the old enthusiasm. The duffles buffeted toward a gaping hole in the wall where they were swallowed, not to be seen again for five days. I later recorded Travel Tip #1 in my journal: Never check baggage all the way through to an obscure destination. Instead, let it surface for security sake at each stop along the way. As it happened, the Dow Jones bailed me out. A copy of *The Wall Street Journal*, tucked under my arm at takeoff, was to serve as my sheet and shield for the next week. I would huddle under the pages at night and wonder what Ava would have done.

Surprises are inevitable. We weren't prepared for the wildlife or for the wild life. Snakes and mosquitoes had been predicted, but no one had mentioned the iguanas, spiders, bats, bees and baboons. Within a few days our response to any aliens scaling the cabin walls had progressed from shrieks to shrugs.

"The hornets are swarming in the shower again," someone casually announced early one morning.

"It's your turn," came the sleepy reply. "I bagged the last two tarantulas."

But we never got used to the baboons. Each night they would circle the periphery of the camp and mourn in unison. The only respite came when the rains pelted the corrugated metal roof of our shelter, and the baboons would retreat into the jungle. As soon as the deluge had calmed, the baboons would revive their awful chorus. Some nights the noise was non-stop, with the animals and



Finished project: Newly roofed school

the elements taking turns howling each other down.

Travel Tip #2: Add a Walkman to the supply list. Music not only soothes battered nerves, but also drowns out baboons.

The other surprise was the wild life, human-style. We should have known by all of the billboards proclaiming the not-so-catchy slogan "Drinking Is Fun," that we were in rum country, and that the natives love their home brew. Alcoholism is rampant, and alcohol-related traffic accidents are common. We were advised to stay out of the towns and off of the roads after the sun went down. A more discreet indicator of the country's social problems were the sawed-off poles positioned at regular intervals along the north-south highway two miles from our camp. Since no electricity or phone service was available, we questioned the purpose of the poles.

"To clip the wings of airplanes using the highway as a landing strip," we were told. "Drug traffickers fly in at night to make their deliveries."

FEATURE

Our work kept us at home. We hauled rock, passed buckets of water hand-to-hand up the bank and over to the sand pile where we mixed a concoction that somewhat resembled cement. Only on New Year's Eve did we knock off before dark for the purpose of celebrating. In spite of our good intentions, the last of us was dozing by 10 p.m., and all reveling was surrendered to the baboons. By the next morning, Jan. 1, the countdown officially had begun.

"Five days and we're out of here," someone remarked over breakfast.

"Four and a half days until takeoff," was the noon update.

"Four days and counting," came the evening report.

We scheduled a shopping spree in Belize City to collect mementos of our hardship tour. Choices were limited, and everyone settled on postcards and Hard Rock Cafe/Belize T-shirts. No cafe existed, of course, just the T-shirts. We stopped at the TAN/Sahsa airline to confirm our return reservations and were told that departure might occur 30 to 40 minutes on either side of the announced time. No one seemed sure.

We arrived at the airport on the scheduled day five hours early, just in case. My missing duffles were waiting to accompany us home. I ducked into the restroom to put on my bush jacket and slouchy hat.

"Was it a good trip?" friends still ask.

"Unforgettable," is my favorite way of not answering the question.

Would I do it again? My name currently is on a waiting list of volunteers willing to clear a tract of land in Brazil. Since my tetanus booster is good for 10 years, I didn't want it to go to waste.

Besides, I've got another birthday coming up.

Holly G. Miller is a free-lance writer and college professor from Anderson, Ind. Her most recent book is *How to Earn More Than Pennies for Your Thoughts: A Writer's Guidebook*. Her CompuServe User ID number is 70007,2345.

BELIZE

Taxes \ Tipping

TAXES / TIPPING

AIRPORT TAXES: Airport Departure Tax: BZD 20 levied on passengers leaving Belize. Exemption: Children under 12 years of age and transit without visa passengers continuing their journey within 48 hours.
TIPPING: For guideline purposes, gratuities of 10% of the net bill are appropriate for hotel and restaurant service charges. Gratuities for taxi drivers are not expected, but establish fare prior to departure; porters, \$2.00 per bag.

PRESS RETURN TO VIEW TRAVEL FACTS MENU, OR

TM = TRAVEL FACTS MENU
CM = COUNTRY SELECTION MENU

RM = REGION SELECTION MENU
MM = MAIN MENU/EXIT SYSTEM

Five, 10 or 20 percent:

How taxing a trip? GO OAG, then select "Traveler's Information" (Option 5), pick the locale and "Taxes/Tipping."

by Holly G. Miller

There's Usually No Place Like Home



Traveling duo: Judy Mark, Butterfield

"Sometimes I felt like Dorothy in *The Wizard of Oz*," recalls journalist-traveler Lori Butterfield, whose recent nine-month trek around the world is chronicled in 26 installments in the Travel Forum (GO TRAVSIG, Library 11). "I'd be in the most bizarre place—Zanzibar, Turkey, Nepal—and suddenly I'd look around and think, 'Wait a second, I'm from Rhode Island. How did I get here??'"

Her itinerary sprung from a wish list of out-of-the-way places never charted by Frommer, Fodor or other guidebook authors. The final schedule, pared to 22 countries, reflected two concerns. Her first consideration was her age—at 28, she wanted rigorous destinations that required youth and physical stamina. The Poconos could wait until her golden years. The second was her profession—as a producer for Cable News Network and a correspondent for Worldnet TV, she had been aware of what was happening around the world. Now she wanted to see the sites.

Her journey began March 3, 1989, after more than a year of research and planning. Armed with a backpack of the barest essentials and fortified with inoculations against typhoid, cholera and other Third World haz-

ards, she and a friend departed from Los Angeles for Papeete, Tahiti.

Before she left, she made arrangements with former CNN colleague Rich Mathews to post her stories in the CompuServe Information Service Travel Forum.

The first installment, appropriately dubbed "The Plan," outlined the trip agenda, the travel budget and the hassles of coordinating transportation from Kenya to Tanzania to Rwanda to Ghana to Egypt, and so on. The filing of articles from these remote locations would pose another kind of problem.

"I had to write my stories in longhand and mail them to the States because it wasn't practical to carry anything so expensive or heavy as a laptop," says Lori. "We were in extreme temperatures, staying in places that weren't very secure, and we usually didn't have access to a phone line. In hindsight, I probably shouldn't have carried a camera."

But she's glad she did. The pictures she took and the two bulging journals that she wrote may evolve someday into a travel book of tips on how to pack (light), what to eat (nothing you can't cook or peel) and how to stay healthy en route.

"We were really careful to brush our teeth only with bottled water and never to eat

FEATURE

TRIP CHOICE MENU

7 TOURS AVAILABLE

TRIP NAME	DEPARTURE CITY	Day	PRICE	SEP DEPARTURES
1. Gorillas, Wildlife and Walk	Nairobi	22	\$3319*	09
2. Hidden Kenya: The Best of Kenya and Beyond	Nairobi	18	\$3290*	14
3. Kenya & Kilimanjaro	Nairobi	18	\$1995	06
4. Kenya & Kilimanjaro with Safari Add-On	Nairobi	25	\$2495	06
5. Mount Kenya Climb	Nairobi	6	\$ 600	Daily
6. Mount Kenya Climb	Mount Kenya	7	\$ 600	Daily

Please enter a selection number, press RETURN to continue, or
AM = Activity Menu SM = State/Country Menu TM = Trip Menu
MS = Month Selection Menu RM = Region Menu MM = Main Menu/Exit System

Hike on the Wild Side:

GO OAG, select Zapodel's Adventure Atlas
(Option 17), select geographic area, date
and choice activity...

Around the World in 80 Bytes

Find the notion of traipsing around the globe a bit unlikely? Follow the exploits of American journalist Lori Butterfield as she roams 26 countries on four continents with a friend, a backpack and a quest for "perspective."

The former CNN and Worldnet correspondent's reports from the field (or wherever she happens to be standing) are filed in Library 11, "World Tour," of the Travel Forum (GO TRAVSIG). Some of the more notable postcards from her 9-month journey.

Come to the Casbah. A tour of the island nation of Zanzibar leads from sunny, unspoiled beaches to the center of the old Stone Town, with its mysterious alleys, cobblestone streets and ornate wooden doors. For centuries a busy port for explorers and

traders, Zanzibar is home to spice plantations, generous villagers and nearby tortoise haven Prison Island. Butterfield likens it to "a piece of paradise." FETR22.TXT

Out of Africa, the Trip. Butterfield goes on safari in Kenya, weathering broken-down transportation, "rambunctious baboons," and, of course, the weather, to come nose-to-nose with everything from antelope to zebras. The bush proves beautiful and fascinating, as her encounters with a Masai tribe and 2 million flamingos confirm. FETR21.TXT

Trekking in Northern India. Hiking through the Himalayas has never been on her "things to do" list, but Butterfield has few regrets even after walking miles in rocky mud. In taking the less-traveled path

from Pahalgan to the crystalline Kolahoi glacier, she comes across Gujarati mountain people, torrential rains and an "eerie feeling of timelessness." FETR20.TXT

One Day in Bangkok. We join in the festivities on the May eve of Visakha Puja, Thailand's Christmaslike celebration of Buddha's birth, entering a lively procession at one of the elaborately decorated temples with symbolic candles and flowers as offerings. FETR14.TXT

A Fire on Bali. "This is a time for joy, not grief," writes Butterfield from the Indonesian island. A colorful Mardi Gras atmosphere permeates this Hindu cremation ceremony, in which a giant, gilded bull is set aflame to release the spirit of a deceased king. FEATR

meats from the open marketplaces," she says. Still, she contracted what she calls 'Bali Belly' ("If you're traveling in the opposite direction, west to east, it's 'Dehli Belly'") and was escorted off the plane in Nairobi in a wheelchair. She bounced back within three days, and by the end of the trip her stomach was enduring local cuisines without a whimper.

In spite of her extensive preparations, she was surprised by much of what she found, particularly in Southeast Asia. The infrastructures of these countries were sound, the roads were good, the trains and buses were dependable, and the accommodations were clean and inexpensive.

"We're not talking Hilton," she says with a laugh, "but it's possible to get a very nice place in Southeast Asia, parts of Africa and Nepal for \$5 or \$10 a night. This is shocking for Americans to comprehend."

Other countries—Australia, for one—offer no such bargains.

"We slept in some horrible places. In

Zanzibar, on the east coast, for example, we stayed in what the government calls a 'beach house.' It had no electricity, no running water, no plumbing and no furniture except for cots with flimsy mattresses. The only thing was that we had a night watchman whose wife cooked all of our meals for about 75 cents. So, in spite of the primitive conditions, we felt slightly spoiled. But we definitely spent many an evening with gigantic bugs. At first, it was a bit disconcerting. By the end of the trip I didn't think anything about it. Bugs in my bed? No big deal."

Safely home now, she's anxious to pick up her journalism career where she left off. The seasoned political reporter who once traveled with presidential candidates and covered Reagan-Gorbachev summits now will bring even more depth to her job. The "sabbatical" left a lasting impression.

"I feel like a child again, as excited about life as I was when I was 16," she says. "My entire perspective has changed in the deepest way. Before I left I was starting to get swept

up in our modern, fast-paced society. I was losing some of my compassion. But what this trip did for me was put me in the most primitive situations with the most wonderful, beautiful people. Now I feel very good about the world again; the jaded edge that was starting to form no longer is there. I only hope the feeling stays with me. If it doesn't, then I'm just going to have to take another trip. South America or Central America will be next."

But not for a while. Shortly after she arrived home in Washington, D.C., a friend surprised her with tickets to an opera in New York City. It meant packing an overnight bag and heading north for the weekend.

"I cringed at the thought of luggage, of getting into a car, of traveling anywhere," she says. "I guess in the short term, I don't want to move just yet."

Holly G. Miller, a free-lance writer and college professor from Anderson, Ind., is a contributing editor of The Saturday Evening Post and Indianapolis magazine. Her CompuServe User ID number is 70007,2345.

FOR RESERVATIONS OR FURTHER INFORMATION CALL 1-800-462-4497

TRIP NAME	: Gorillas, Wildlife and Walk
TOUR CO. #	: 34961
ACTIVITY	: Trekking
LOCATION	: Lake Nakuru and Lake Kivu, Game Parks
CITY/STATE	: Nairobi
COUNTRY	: Kenya
TRANSPORT	: Safari Vehicle, On Foot, Plane
BAG CARRIER	: Safari Vehicle, Pack Animal
MEALS	: All meals are included on safari; breakfast only in cities
LODGING	: Hotel, Lodge
TRIP TYPE	: Guided
PRICE	: \$3319*
DEPOSIT	: \$300
COMMENTS	: *Price is \$3578 for Dec. '90 and 1991 trips
DURATION	: 22 DAY SEP 2990 DATES: 09

Wild Side, Part Two:

...then enter the selection number of an appealing expedition for a detailed summary of its itinerary.

OK, Like They Say—*Just Do It!*

Dreaming—and figuring out ways for those dreams to come true—is what the Official Airline Guide's Zapod's Adventure Atlas (GO OAG) is all about. Select your dream vacation from a list of 10, including adventure, cruises, cultural, extreme adventure, gourmet adventure, luxury adventure and sports.

Once the broad category is defined, the system lets you narrow the type of adventure through a series of activity, location and departure date menus. Specific information on actual tours, including activities, location, available dates and cost, is then displayed. It could include...

▼

Ride the Red Carpet: The New Zealand Red Carpet Experience is an eight-day luxury adventure that takes you on a chauffeured limousine and plane tour of New Zealand, where you'll travel through lush Waikato farmland to Waitomo for a cruise in the Glowworm Grotto. Optional activities include jetboating and sightseeing by helicopter. Cost: \$3,775 to \$4,380, depending on accommodations.

▼

The Queen of Scots: Take a luxury train journey through Scotland, enjoying an elegant stateroom with bath and gourmet meals aboard a painstakingly restored private train. You'll see it all, from castles to whiskey distilleries, from museums to the birthplace of golf. Cost: \$4,570 for six days.

▼

Ski Mountaineering: Extreme temperatures and severe storms make climbing the peaks of Alaska's Mt. McKinley a test of personal strength, teamwork and logistics. Cost: \$1,990 for 21 days.

▼

Papuan Adventure: Hike through the rugged mountain trails of the Gailala tribe, and enjoy river-rafting on the Angabanga River and diving and snorkeling on colorful reefs on this action-packed, multi-adventure holiday in exotic Papua, New Guinea. You'll live in rustic, thatched huts. Cost: \$3,850 for 16 days, including round-trip airfare from Los Angeles.

▼

River of No Return: Idaho is known for more than potatoes. Try kayaking on Idaho's Main Salmon River in an inflatable kayak or enjoy the team effort of a paddle boat. Short hikes around the river area offer sights of bighorn sheep, otters and eagles. Gourmet meals are served family style. Cost: \$910 for six days.

▼

Diving in Baja: Travel Baja, Mexico, on the schooner "Elias Mann" and enjoy unlimited diving—if you dare. For years, divers have thrilled to the stories of manta rays, hammerhead sharks and even whale sharks that haunt the waters off La Paz. Cost: \$1,195 for seven days.

Expert planning and research help to ensure the best possible vacation. But better than any travel book or brochure is a personal recommendation for an out-of-the-way restaurant or the best day-long fishing expedition.

The Travel, Florida and Scuba Forums are frequented by people who love to share tales of their adventures as much as they love to travel. Leave a message about your vacation needs, and within hours you'll likely have a response from someone who has been there or who lives in your destination city.

Last January, when Paul Dute traded the wintry blasts of Philadelphia for the warmth and fun of Walt Disney World, he relied more on the experts in the Florida Forum (GO FLORIDA) than his travel agent. Dute wanted to see the Disney/MGM Studios and Pleasure Island. He learned that Star Tours would be on a "soft open." What's that? he wondered. Forum members soon told him what his travel agent couldn't: Star Tours would be open on an unofficial basis.

"The forum members told me opening times and the best attractions to see. I also was told to go to Star Tours and the Backstage Tour early in the morning. I found this advice to be very wise!" he says. "I received good advice that helped me get the most out of my vacation."

Sometimes the online advice concerns more than just fun. Harry Averill, a diving instructor in High Springs, Fla., and a member of the Scuba Forum, is proud of the fact that the forum can help ensure better safety for this sport. Scuba diving is enjoyed by many, and with proper training and facilities, it is a safe form of recreation. But not all dive locations are equal.

Most diving operations are managed with a high level of competence and safety, but a few are not. Averill says that several diving resorts in Cozumel, Mexico, are quite dangerous, especially for novices, and forum members have warned off beginners from traveling there. "Scuba diving fatalities are rare, but in Cozumel the fatality rate is four times that of the rest of the Caribbean," warns Averill. "We on the forum have been able to steer people away from there."

"When someone leaves a message saying he or she is going to a certain dive resort or location, usually several people with direct, personal experience can offer specific advice and recommendations," he says. Novices es-

pecially can take advantage of the other members' knowledge and find out before they go if a dive site is suitable for their ability.

Picture Perfect Vacations

What's a vacation without photographs? Here's some advice from the experts in the Photography Forum (GO PHOTOFORUM):

Pack your film in clear plastic containers and then pack the containers in a Ziploc bag that can be hand-checked by airport security rather than X-rayed. Some X-ray exposure will not harm film, except those higher than 400 ISO. Some foreign airports may have more powerful X-rays.

For extra protection from moisture and to keep the film fresh, store it in silica gel packets (available in large camera stores or camping equipment shops). To save some money, you can pack it in rice instead.

Silica gel also can be used to protect camera equipment when you are traveling in hot, humid areas, such as Southeast Asia.

Never check your camera equipment or film. Keep it with you at all times.

To protect your camera from theft, pack it in such a way that it doesn't look like you are carrying a camera. For instance, pack a rainproof, dustproof camera bag inside a cargo bag or a traditional backpack.

To protect your equipment from the sun, pack it in white, beige or sand-colored bags.

Shower caps make great and inexpensive camera and lens protectors.

If you are traveling in the desert, store your film in a cooler filled with ice. Be sure to pack the film in moisture-proof containers and seal the containers with electrical tape for extra protection.

If you are traveling with expensive camera equipment out of the United States, register it with the US Customs office before leaving and avoid any inconvenience or question about taxes and duties for the equipment upon your return.

Lugging the Luggage

For your luggage needs, Paul Steiger, president of Sharon Luggage and Gifts, recommends purchasing the best luggage you can find. "My philosophy is to buy good luggage, and then you don't have to worry about it," he says.

For function and durability, he recommends luggage made of cordura or ballistic nylon, although this is expensive. Make sure there is leather trim and that the seams are sewn and not just glued. Handles also should be sewn onto the suitcase and not merely riveted. Luggage is more durable if it has a bit of give to it rather than being rigid.

When packing, place plastic bags saved from the dry cleaners between layers of clothes to help reduce friction. Pack heavier clothes in the bottom of the suitcase, put socks and un-

derwear inside shoes, and roll clothing when possible. Be sure to pack a foldable duffel bag for bringing home souvenirs.

To keep business clothing neat, use a large, folding wardrobe bag rather than packing it in a suitcase or garment bag.

For more information on buying luggage, consult Sharon Luggage and Gifts in The Electronic Mall (GO SL).

Cathryn Conroy is a contributing editor of CompuServe Magazine. Her CompuServe User ID number is 70007,417.

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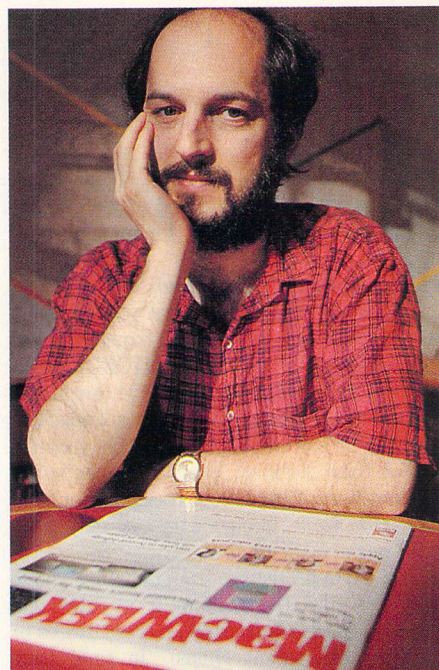
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GO OLI for more information.

by Mike Pietruk



TONY RINALDO

Presents 'MacWEEK Newsbeat': Ford

Zmac: Mac Magazines' New Issue

MacWEEK and MacUser readers now get closer to the source with PC MagNet's look-alike neighbor.

If you're a regular reader of *MacWEEK*, you probably turn to Mac the Knife for Macintosh rumors and gossip as only "the Knife" can deliver. Similarly, *MacUser* subscribers await John Dvorak's (the man folks love to hate) often irreverent views on almost everything.

COMPUTING SERVICES

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▼
All the Mac
News That Fits,
and Then Some

▼
A List of Macintosh
Downloadables, p. 26

After reading one of these (or any of the other) columnists, how many times have you wanted to get in touch to deliver a piece of your mind or share a significant item? A letter to the editor may take weeks to get routed and answered. In this era of rapid communications and the free flow of information, there ought to be a simpler means of quickly sharing your insights and obtaining a timely reply.

With the debut in late May of Zmac, a multifaceted online service from Ziff-Davis, Macintosh devotees have a direct pipeline to the writers and editors of *MacUser* and *MacWEEK*, two of the more widely read periodicals in the Mac community.

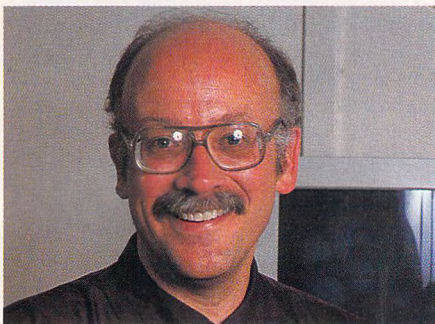
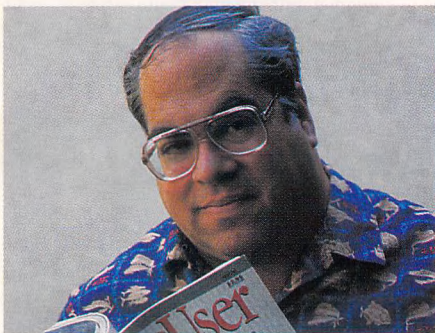
Zmac (the "Z" stands for Ziff-Davis) was developed as the Macintosh counterpart to the highly successful PC MagNet (GO

PCMAGNET) and *PC Week Extra!* (GO PCWEEK) services for owners of IBM PCs and compatible computers. Zmac combines a newsroom, reference and software libraries, three discussion forums and a survey feedback area.

"In each issue of our magazines, we have more to say than we have space to print it in," says Ben Templin, Zmac online manager. "For every in-depth review, there are two that get only a passing mention. For every lab chart presented, four are left out. Yet, the information is there; and now there is a way to pass all of it along to readers."

This timeliness is nowhere more evident than in "MacWEEK Newsbeat." "Here we present highlights and excerpts of the latest *MacWEEK* news and reviews before our print edition hits the street. And we can update it as often as news developments warrant, providing our readers with faster access to hot news and electronic supplements to printed stories," says Ric Ford, *MacWEEK* senior technical editor.

The heart of the service, however, is the reference databases. With new products introduced daily, it's difficult to stay on top of what's happening and sort out what's best. Updated weekly, the Zmac Buyer's Guide is your educated advisor, combining the familiar, thorough *MacUser* evaluations with the latest product news and reviews from the pages of *MacWEEK*.



STEVE CASTILLO

Tips and reviews: Bobker, Wasson

"We're starting with more than 1,000 listings covering the spectrum of compatible hardware and software," says Templin. "Whether you are looking for the software to meet your desktop publishing requirements or a hard drive, you can quickly research the question without wasting valuable time rummaging through the back issues of magazines. We include the latest ordering information and prices as well as announcements concerning updates and new versions."

Zmac also provides a direct link to Computer Library, which not only contains the full text of *MacUser* and *MacWEEK* since January 1987, but also abstracts and text from about 130 other industry and trade periodicals.

Answers to the most frequently posed questions are provided in the Tips and Hints sections of both *MacUser* and *MacWEEK*. All answers are indexed for fast retrieval.

If you cannot find the solution in the database, turn to the three discussion forums. "In the Technical Support Forum, we pledge to take over where customer service lets you down," says Gregory Wasson, forum administrator and contributing editor of *MacUser's* Tip Sheet. "Our magazine staffs have a tremendous amount of Macintosh experience with a wide variety of software and hardware, which they'll gladly share. In addition, we're working with companies to bring representatives online."

Each magazine also will have a forum of its own. Steven Bobker, known for "Bobker's Dozen," a regular *MacUser* feature in which Bobker recommends 13 of the newest and hottest programs for the Macintosh, is in charge of the *MacUser* Forum, while Ric Ford keeps things moving in the *MacWEEK* Forum. "The forums are the place to ask staff and free-lancers about news stories and reviews," says Ford. "We encourage our readers to participate in the creation of the

magazine and tell us what they need in print and online."

The MacWEEK Forum offers a library of downloadable *MacWEEK* files, such as the editorial calendar, a list of staff and offices, indexes to past reviews and archived forum discussions. Downloadable files that supplement printed articles, such as comparison charts of features, performance benchmarks and source code or scripts from columnists, also are available.

Ted Silveira, a free-lance writer for *MacUser*, says that the forums, likewise, are important to the writers. "We have a place here to hash over a story while it's still hot. I still get a charge when people tell me they have read one of my articles."

For solutions to software dilemmas, check the Power Tools Download Library, which is reached directly from Zmac's main menu. This special area provides instant access to *MacUser*-developed software, programming code, scripts and templates. "Initially, we will cycle through offerings that are tied to the editorial in that month's issue," says Templin.

An example of this is SEPPRG.SIT, a StuffIt file that contains all of the source code for Kurt Matthies and Tom Hogan's monthly Power Programming column. Another is MINIFL.SIT, a HyperCard stack containing MiniFinders for more than 500 products, each with its own description and ordering information, along with *MacUser's* trademark "mouse" rating.

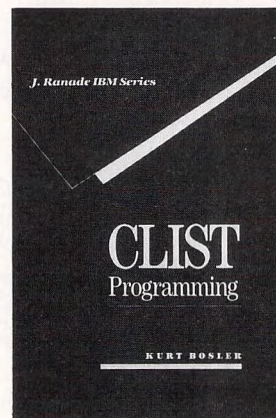
Complementing the Power Tools area is the Download Library, which, for the convenience of CompuServe Information Manager and Navigator users, is incorporated into a forum structure. However, it is not a traditional forum, as its purpose is to present topnotch reliable shareware and freeware. "Everything we have here has been picked by the editors of *MacWEEK* and *MacUser* as the best of its kind," says Templin. "We accept only first-rate applications that have been tested by the rigorous review standards applied to commercial software."

Silveira sums up the feelings of many associated with Zmac. "It should turn out to be an interesting place for both the subscribers and the writers and editors. If it unfolds as PC MagNet has, it'll provide some fireworks as people discover that they're not as much alike as the Macintosh culture myth suggests they are."

Mike Pietruk is a forum administrator of CompuServe's Investors' Forum and an assistant vice president of Preferred Savings & Loan in Chicago. His CompuServe User ID number is 76703.4346.

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Downloadable Mac Gold

Zmac's Download Library Forum offers what the editors of *MacWEEK* and *MacUser* consider the "cream of the crop" in public-domain and shareware software. Each program featured here has been tested and reviewed using the same standards employed in the evaluation of commercial packages.

Presented here is a brief sampling of what's available. Most listings include a reference to the *MacWEEK* or *MacUser* issue where more information can be obtained. For additional titles, consult the Zmac FileFinder.

Library 1, Applications:

ZTerm 0.85 (ZTERM.SIT) ZTerm is a fast, efficient telecommunications program that's not overloaded with features. It can store settings, phone numbers, and simple macros. ZTerm supports Zmodem, Xmodem, Ymodem, and CompuServe's QuickB scheme, so you don't have to switch applications to use older protocols. Author: David Alverson. Reference: *MacWEEK* 7/11/89. Shareware fee \$30. 146K.

Comment Editor (COMEDL.SIT). Comment Editor lets you create comments that are impervious to Desktop destruction. It will protect comment information located in a file's Get Info box, which would otherwise be lost when rebuilding your desktop. Author: Scott Armitage. Reference: *MacUser* 4/90. Shareware fee: \$10. 15K.

DisKeeper (DISKEE). DisKeeper is a shareware utility that checks your hard disks for duplicate files, orphan files and folders, and invisible and locked files. It produces listings and can move user-selected items to its own Trash folder so that you can delete them if desired. Requires StuffIt for unpacking. Shareware Fee: \$10. 108K.

Solarian II (SOLARL.SIT). A high-quality color arcade game set in outer space. The game's humorous sounds, professional graphics, and presentation set it apart as one of the best yet most ridiculous shareware games around. Author: Ben Haller. Reference: *MacUser* 10/90. Shareware fee: \$25. 624K.

MacBillboard (MCBILL.SIT). This black-and-white graphics program handles unusual jobs, such as T-shirts, greeting cards and posters. You can print files enlarged up to 32 times. Author: Donald Brown. Reference: *MacUser* 12/89. Shareware fee: \$35. 68K.

Library 2, Desk Accessories

MiniWriter 1.6 (MINIWR.SIT). A useful text editor that never seems to fail, MiniWriter is one of the most popular pieces of Mac shareware. It can print PostScript text files directly and convert text between mainframe formats used by online services and Mac formats. Includes features like smart quotes, Find and Find Next functions. Supports all Mac printers. Author: David Dunham. Reference: *MacUser* 12/89, *MacWEEK* 1/16/90. Shareware fee: \$12. 65K.

COMPUTING SERVICES



Library 3, INITs, cdevs, FKEYs:

SuperClock (SUPERC.SIT) SuperClock is a well-mannered, intelligent screen clock. It is always visible in the right corner of the menu bar unless a screen saver is in operation. This cdev has several options, including having the clock toll the hour with the sound of your choice. Documentation is included. Requires StuffIt to unpack. Author: Steve Christensen. Reference: *MacUser* 12/89, *MacWEEK* 4/11/89. Freeware. 16K.

Library 5, Scripts and Templates:

White Knight (WK.SIT). This is the latest version of the White Knight series of scripts for Zmac. The scripts will navigate between Zmac forums, automatically capture the *MacWEEK* News, handle some messaging tasks, and capture and date stamp text files. All you have to do is edit one file for your access number, CompuServe User ID number and password. Includes an installation procedure. 7K.

Update Navigator 3.0 for Zmac (NAV3Z.APP) This application will update Navigator 3 so it can be used with Zmac. It was written and originally uploaded by Mike O'Connor, the author of Navigator. The updater adds four forums, with section and library names. It works on Nav 3 but not Nav 2 (you must update that manually).

Library 6, Stackroom:

Stack Starter (STACKS.SIT). This 900K stack consists of more than 100 cards full of nifty routines and tools. Watch for the many buttons that switch their icons, hop, crawl and drive around the screen. Author: Robertson Reed Smith. Reference: *MacWEEK* 7/26/88, *MacUser* 4/89. Freeware. 284K.

If Monks Had Macs (IFMONK.SIT). This collection of six stacks, is one of the most beautiful and elaborate works in HyperCard. The stacks range from a medieval religious work to strings on a contemporary bulletin board on the meaning of life. Author: Philip Mohr Jr. Reference: *MacUser* 12/89. Freeware. 753K.

Library 7, Reference:

Zmac Download Library Index (DLLIBR.IND). This tab-delimited file is a fairly comprehensive index of the software available in Zmac's Download Libraries. Look for this file to be updated frequently as changes are made. You can read this index in any word processing application, or import the file into a database program for quick searches and sorting. Author: Zmac staff. 9K.

Library 8, Antiviral Tools:

Disinfectant (DISINF.SIT). This is an excellent antiviral checker and virus-eradication program. This is the only application most people need to handle an existing virus problem. Can be used with a good virus-prevention program such as GateKeeper, SAM or Rival. Be sure to read the online documentation. Use StuffIt to decompress. Author: John Norstad. Reference: *MacUser* 12/89, *MacWEEK* 2/13/90. Freeware. 93K.

Virus Encyclopedia (VIRENC.SIT). This HyperCard stack describes viruses and what can be done about them. Author: Henry C. Schmitt. Reference: *MacWEEK* 1/23/90. Freeware. 54K.

—MP

PC MagNet's Attractions

Ziff Communications' journals for the owners of IBM PCs and compatibles—*PC Magazine* and *PC Week*—also have their own special areas on CompuServe in PC MagNet and *PC Week Extra!* PC MagNet (GO PCMAGNET), the older of the two, affords readers instant access to *PC Magazine's* programs, articles, databases and editorial staff.

PC MagNet is divided into two parts:

The first is The Utilities Database which provides a variety of search features. Download any of the more than 1,800 utility programs, designed to help you get more out of your computer, published in the pages of *PC Magazine* since 1985, along with its source code. The database also contains the PC Labs Benchmark Series—the same tests relied on in the preparation of hardware and software reviews. Rounding out the area is an index to the reviews themselves.

The other section is made up of four forums dedicated to keeping you on the cutting edge of the ever-changing computer technology.

The Editorial Forum. Tell the editors what you like and dislike and what you want to see more of. Exchange thoughts with columnists such as Will Zachmann and the controversial John Dvorak.

Utilities/Tips Forum. Turn here for expert advice on what equipment and software to buy, and how to use it once you get it out of the package. Its libraries are filled to the brim with *PC Magazine* programs and the latest in shareware. Sections include PC Lab Notes, Connectivity Clinic, Advisor, PC Tutor and ASP Only Programs.

Programming Forum. Whether you're a beginner or seasoned pro, you'll find something here. Obtain the latest news on OS/2 from Charles Petzold and pick up power programming tips courtesy of Ray Duncan.

After Hours Forum. Tired of programming code and spreadsheets? Stop by the Philosopher's Corner or check out the latest in the science fiction or music libraries.

An extension of *PC Week*, a controlled circulation newspaper directed at 200,000 influential corporate decision-makers and professionals, is *PC Week Extra!* The service is divided into a Product/Vendor Database and a Corporate Buyers' Forum.

Product/Vendor Database is your source for authoritative information on everything from LAN systems to high-speed 9600-baud modems. Download Lotus 1-2-3 versions of the famous *PC Week* Buyers' Guides, listing 20 to 30 products in a particular category including specifications. Read the full text of the journal's comparative reviews and obtain abstracts of product related articles. For assistance in contacting a vendor, the Vendor Database has the phone numbers and addresses you need.

Corporate Buyers' Forum is your direct pipeline to *PC Week's* editors and analysts. Provide input and share personal experiences to be incorporated into future reviews. Follow up the published evaluations with questions. From this forum's libraries, download helpful PC and LAN benchmarking programs. And, of course, exchange ideas with knowledgeable fellow CompuServe members. Check out News Highlights every Monday morning to see what made the news in *PC Week*. Got a hot tip? Pass it along online to Spencer F. Katt, *PC Week's* furry feline rumor monger.

PC MagNet and *PC Week Extra!* transform their associated print publications into a two-way dynamic, interactive communications medium.

—MP



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**25 Information
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Wandering from the Herd

▶ **With the market uncertain, "value investing" offers a chance to beat the pros at their own game.**

Is it still possible for the average investor to compete against the "big boys" and make money in the stock market? Our experts say "yes." And here's how....

The 1980s provided the average investor with unprecedented opportunities to make money. Stock and bond markets both had impressive rallies. Innovative packaged products such as mutual funds allowed individual investors to partake in investment sectors previously reserved for the very wealthy or institutional investors.

At any particular time, it seemed, there was a "hot" investment that could produce attractive returns. Today, however, after a historic stock market crash and an uncertain, fluctuating bond market, many investors are exiting the market. With the escalation of computerized trading and institutional clout, particularly in the stock market, the individual investor has retreated.

"It's clear that the public has left the market," Peter Lynch, the ultimate investment guru of the 1980s and top investment manager of Fidelity's Magellan Fund, recently remarked in an interview for the *Chicago Tribune*. Lynch added, however, that with a little homework the individual investor's own eyes can provide better insight into a company and its growth prospects than the so-called experts can.

Larry Silberstein, CEO of Investment Technologies Inc., agrees. "There's very good evidence that the individual investor can do as well or better than most professional money managers."

So where can the average investor look to find a competitive edge in the market? One way is to target undervalued stocks. Typically called "value investing," this approach

to the market is one of seeking long-term results and having the emotional profile of a contrarian.

"Most studies indicate that a contrarian approach, all else being equal, will show more profit than following the herd, although a few technicians might argue with that," says Silberstein. "As a contrarian, you're looking for value in companies when they're not popular and you also have the emotional strength to buy into the market when prices are down and there's a lot of discouragement around."

Important Indicators

While there are many factors to consider when searching for undervalued stocks, here are a few important indicators that a stock may be undervalued.

Low P/E Ratio. There are generally two types of companies with low price/earning ratios: those that are in financial difficulty and those that are in an industry out of favor or suffering from public neglect. As a value investor, you're looking for the latter. "Typically a value investor is looking for a p/e ratio of 10 or lower," says Bob Walberg, an equity analyst for MMS International. Of course, a company's p/e ratio should also be evaluated in light of the overall market ratio. (Type GO COSCREEN to screen for stocks with low p/e ratios. Type GO EXAMINE and enter ticker symbol SP 500 to find the current p/e ratio for the market.)

Low Price to Book Ratio. "The S&P 500 typically sells at anywhere from one-and-a-half to two times book value," Walberg notes. "Stocks trading at even to below book value often indicate that you have an undervalued situation, given that other fundamentals are sound." (Type GO COSCREEN for stocks that have a particular market-to-book-value ratio.)

Stable Growth and Earnings. You should be wary of any stock having a low p/e ratio and touting excellent growth. It might indicate a problem on the balance sheet. The value investor should be looking for consis-

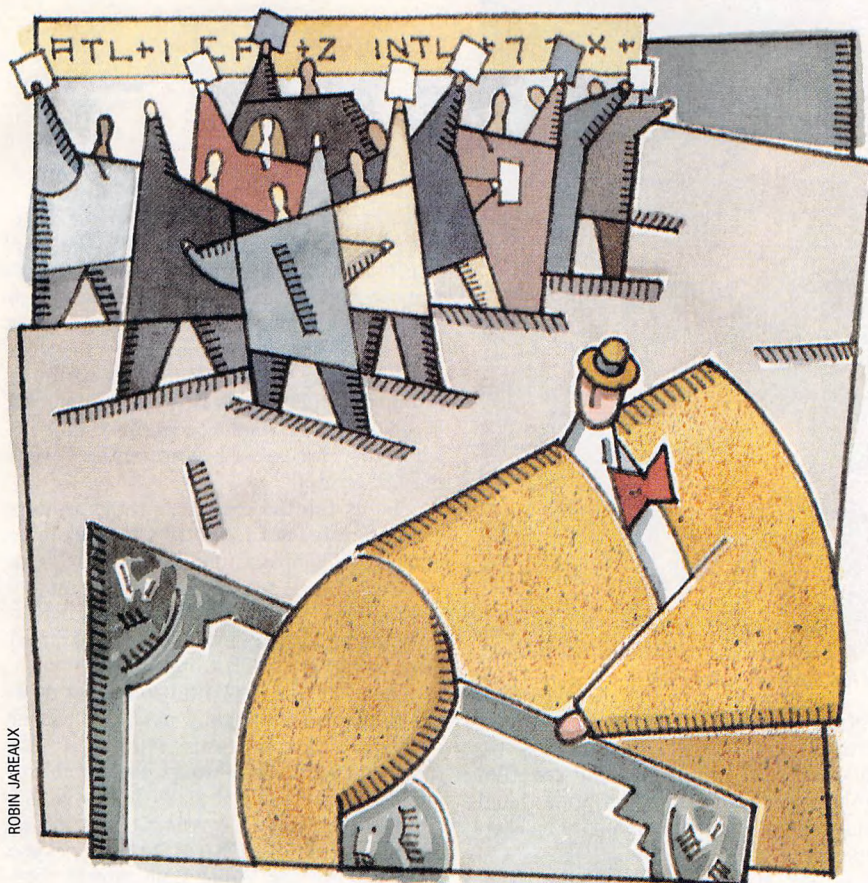
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▼
The Little Guy and
the Big Return

▼
Picking a Winner
p. 30



ROBIN JAREAU

tent long-term performance rather than "flash in the pan" profits. (Type GO VLINE to access historical financial performance information. Type GO S&P to access concise narratives about a company and its prospects.)

Clean Debt Position. One way to make sure you're not investing in a "dog" on its way down is to examine a company's debt load. A high debt load can cripple a company's growth and earnings should even a small downturn occur. (GO COSCREEN provides screening on debt/equity ratio. Once the screening is complete, more detailed information can be had by typing GO VLINE or GO DISCLOSURE.)

Hidden Assets. Many companies have undervalued assets in areas other than their primary business. "You're looking for a company, for instance, that has large real estate holdings that might be assessed on the balance sheet below their current value," says

Walberg.

Recent Earnings Setbacks. Many good companies have periods where earnings suffer temporarily, but are in industries where the overall fundamentals are strong. "You might find a solid company, such as a Savings and Loan, in an industry that is being beaten down, experiencing bad press. But because of its sound fundamentals, the company is not likely to see long-term negative effects on its growth and profitability. The stock is bound to recover," says Walberg. (GO VLINE, GO S&P)

High Ratio of Insider Buying to Selling. A good indication of a company's value is how much of the stock its own executives are buying. If a substantial portion of their net worth is tied up in company stock, it's likely to be a good sign of the company's value. Martin Zweig, in his book *Winning on Wall Street*, says investors can have a 5 to 3

edge by following insiders. (GO DISCLOSURE)

Low Level of Institutional Interest. Pay attention to how many large shareholders, such as mutual fund companies, own the stock. "You probably want to have some institutional interest in a stock, about 10 percent or less, but you want to try to find it before it gathers a large institutional following," says Silberstein. "If there's more than

CoScreen and Disclosure Promotion

Company Screening (GO COSCREEN) and Disclosure II (GO DISCLOSURE), two products normally restricted to Executive Option members only, are available to all CompuServe subscribers in September and October. In addition, CoScreen is being offered at a special price of \$15 per hour.

CoScreen allows you to scan more than 10,500 companies via 24 different financial criteria. Disclosure allows you to access detailed information about the companies you have found, including management discussions, corporate events, ownership information, financial statements and ratio reports.

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30 percent institutional interest, the stock is probably neutral." Small to medium capitalization companies generally fit this category. They are growing fast, but are not large enough for heavy institutional investment. (GO DISCLOSURE)

Strategy I: Uncover Your "Edge"

What kind of strategy should an investor use to successfully identify undervalued stocks? Many approaches can work, but here are two strategies that may be helpful.

The first, which Martin Zweig terms the "rifle" approach, would be to focus on your own area of interest or expertise. Isolate and analyze only a small number of companies in depth—and gather research beyond publicly available data.

"Look for your own particular edge. The edge could be anything. People out in the work force are exposed daily to opportunities where their knowledge of an industry or company surpasses others," says Chuck Spear, president and CEO of Spear Securities.

It is with such a targeted approach, Spear notes, that the small investor can have an



DAVID SESSIONS

'Look for your own edge': Spear

advantage over the big market players, particularly in small capitalization stocks. He or she can identify companies that are often under-researched and not under professional scrutiny, and are thus less likely to be overpriced.

Read the 10K. After you've selected an

industry to focus on, use an electronic database, such as CoScreen, to make the first screening—with parameters such as company size, total sales, earnings and share price. Then, request a 10K financial report from the 20 or so companies you've selected. "The best way to understand a company is through its 10K," Spear says. "It's a required document of all public companies and it's where they discuss their opportunities in very realistic terms."

Simply call the company's corporate secretary for the most recent 10K and ask to be put on the company's mailing list for press releases, annual reports and other company publications. Or type GO DISCLOSURE to immediately display information abstracted from a company's 10K filing.

Look at Relative Valuation. After reading through the company materials, Spear suggests, "compare your selections with those that have been through the crucible of public and professional analysis." (Type GO IBES for consensus earnings forecasts on companies from Wall Street analysts, or type GO VLFORE for Value Line growth fore-

Tools of the Trading

Here are some of the services to help you in your quest:

Price History

Price and dividend histories, stock splits, S&P quality rating, price/earnings ratios, price/volume graph. (GO PRICE, GO TREND)

Company Analysis

Financial history of income statements, quarterly financial figures, balance sheet (past two years), insider ownership, institutional ownership, five-year summary of sales and net income. (GO DISCLOSURE, CO COSCREEN)

Screening on financial performance, market performance, growth rates, ratios and more. (GO COSCREEN, GO VESTOR)

Balance sheet, long-term debt, S&P ranking, beta, average volume, industry scan, 5-year fiscal history of revenues, earnings per share, net income, book value per share. (GO S&P)

Quarterly and annual reports, income statement, balance sheet, sources and use of funds, key ratios (eps, p/e, dividend per share, market to book value). (GO VLANN)

Description of business, sales growth, net worth, employment growth. (GO DUNS)

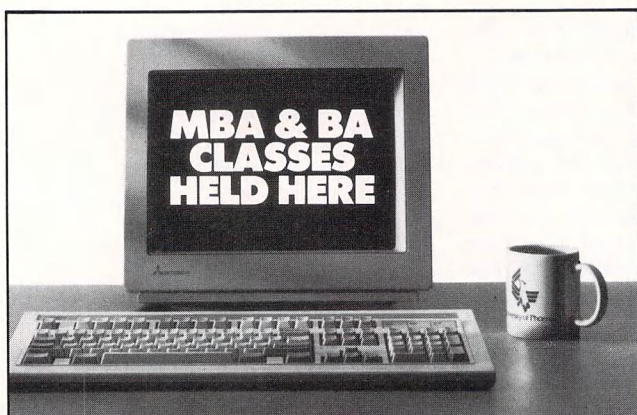
Buy/sell recommendations, yield, price/earnings ratio, alpha, technical/fundamental rating, 12-month earnings forecast, short-term and long-term trading charts. (GO VESTOR)

Projections/Forecasts

Stock price, sales, earnings per share, dividends per share, book value, high/low target price, high/low appreciation. (GO VLINE, GO S&P)

Earnings estimates for current and next fiscal years, five-year average annual projected growth rate. (GO IBES)

Monthly and quarterly economic forecasts, weekly economic survey, daily equity market analysis/outlook, overall industry rating analysis, leading economic indicator forecasts. (GO MMS)



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casts.) Use the professional analysis to compare current price/earnings ratios and projected rate of earnings growth to help you make your final selections.

Review Information Weekly. "Once you've made your selections, it's wise to spend at least a couple of hours a week reading materials that come to you through the mail," Spear says. "Check the electronic databases for important news (GO ENS) about the industries and companies you've invested in—and finally, you've got to continually refresh your list by weeding out the ones on the bottom and adding companies that seem more attractive."

Strategy II: Broad Market Analysis

If you don't have a particular area of interest or expertise, you could apply another strategy: the "shotgun" approach (Zweig). This stock-picking method is a more systematic, mechanical approach. It involves using a computer program to process massive amounts of publicly available data from thousands of companies by a predetermined set of parameters, and then generating buy/sell recommendations on thousands of securities.

With this automated approach, more ground can be covered than the targeted approach. You will probably encounter a more diversified portfolio, but you will have less time to thoroughly investigate each individual stock. Relying on a computer model such as CompuServe's Vestor (GO VESTOR) has its advantages, however.

"You're essentially letting our computers do the homework for you. You avoid the paper and pencil stage. It would be foolish, actually, for the average investor not to take advantage of information processing capabilities available in our modern age of computers," says Larry Silberstein, whose company, Investment Technologies Inc., markets Vestor.

There are several ways to use electronic services to identify investment candidates.

1. Recommended List. If you're not sure what parameters you'd like to use, you can begin by studying several of the recommended stock lists available on CompuServe. (Type GO VESTOR to get buy/sell stock recommendations; or type GO MMS to access a recommended stock portfolio in the Equity Market Report; or type GO S&P to access Standard & Poor's Recommended Master List and Investment Ideas.) "You might even want to use the service on paper for a month—and buy and sell as if you were actually investing in the market," says Silberstein.

2. Screen Program. "If an investor is a little more sophisticated and has in mind a

certain set of criteria, he or she should try a screen program and get the names of stocks that fit those requirements," says Silberstein. With Vestor, for instance, you can ask the program to find recommended stocks within a particular p/e range; specify a specific yield or risk/reward ratio; or view only those stocks in the top 20 percent of the program's fundamental ratings. Vestor will even provide a technical/fundamental rating (tfr) of your selections and provide you with a hypothetical 12-month earnings forecast.

3. Industry Scoreboard. Another way to further refine the selection process online, at this point, is to access a broader industry analysis. "Once you've narrowed your selections by p/e ratio, price to book, and the other characteristics inherently important in undervalued stocks, you should then take a look at the broader picture," says Walberg. "Look at various industry groups to see how they've

performed over the last several months. Find out if a stock you're interested in is in an industry that has done poorly recently or whether it's in a down-trend that's reversing. It may be in one of the industries where it is time to invest."

MMS's online service (GO MMS) provides an industry scoreboard that provides timely analysis and projections for up to eight industry groups at a time. This information can be found in the MMS Equity Market Analysis Report.

After you've made your picks, track them diligently and most of all, have realistic expectations. Value investing necessitates a long-term approach and a lot of patience, as opposed to market timing. An undervalued stock may remain undervalued for some time. "It generally takes one to three years for a stock to turn," Walberg says, "But when it does, you're going to be amply rewarded." ◀

Jenifer Rueff is a free-lance business writer and marketing communication consultant based in Chicago.

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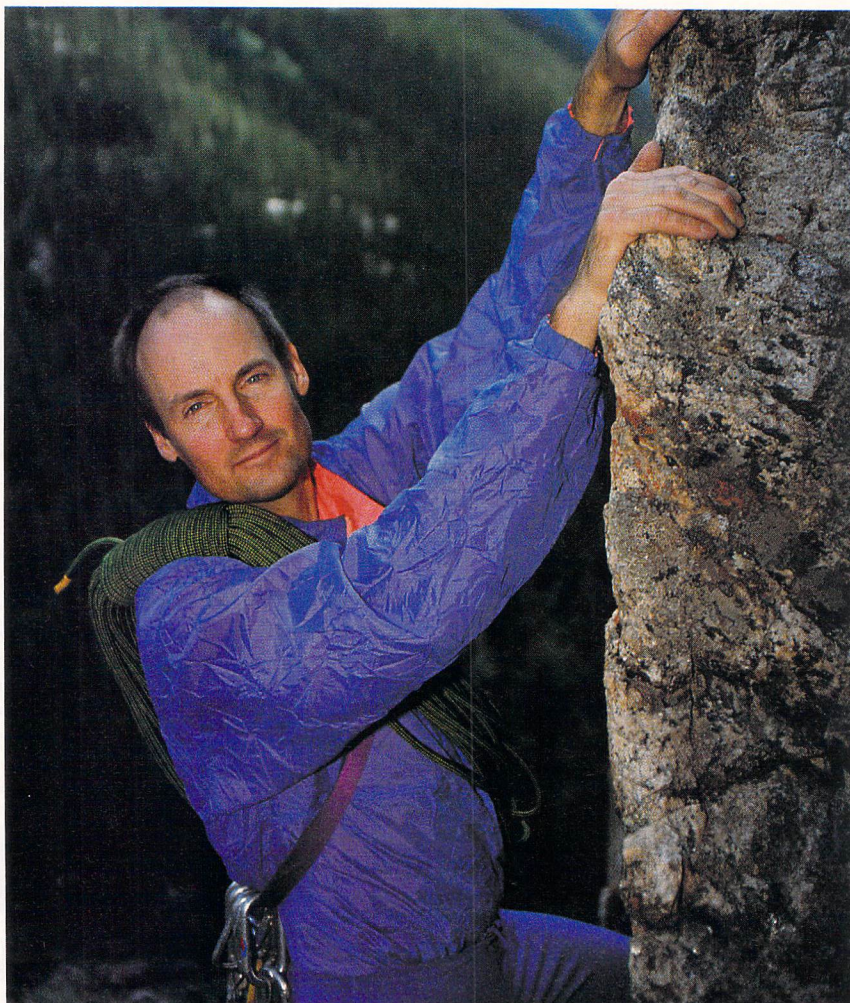
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by Maura J. Mackowski

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▼
Making Every Day
Earth Day

▼
Good Form in the
Forum, p. 36

▼
Magazines Out
Your Ears, p. 39

► **It's a lot easier to be 'green' these days by using online resources, including Ted Turner's latest project.**

Mother Nature's taking the offensive these days, enlisting her earthly media minions to bombard consumers with warnings to cut back, conserve, compost, recycle and write their elected representatives. Stomp those cans. Mulch that grass. Ride that bike. Spare those bugs.

It seems like everywhere you go someone's crying about the pollution problem or selling you his version of a cure-all. Sometimes it can get to be overwhelming. Is paper really better than plastic? Can I keep my yard from looking like Hollywood's latest "insect" film without bug spray? Is there such a thing as spending less time in the car? Does anyone in Washington even know we're out here?

Regulars on several CompuServe forums have been swapping news on organic gardening, saving the snail darter and mapping deforestation from space for years. As the Green movement picks up, they've planned

their Earth Day demonstrations, shared sources for recycled copier paper and learned how to lobby for nuclear-free hometowns. No environmental topic is too big or too small that it can't find a home on a forum.

"Networking has proven to be the fastest and most accurate way of collectively moving a large body of people toward a goal," says Howard Maculsky, assistant sysop in charge of the Ecology section on the Good Earth Forum. "If there's anything more important in acquiring and honing one's environmental consciousness, it's keeping up-to-date with the latest information. Studies, personal experiences and the newest in environmental law—an online service just does this better."

Guidebook writer Louis Dawson uses CompuServe Mail to keep his car in the garage and his paychecks in the mail. "I spent last summer writing a ski touring guide to the famous 10th Mountain Trail in Colorado," he explains. "As I produced each chapter, instead of driving to the publisher, who happened to be local, I simply sent it by e-mail. It worked great and eliminated several hundred miles of driving."

Systems consultant Ken Camp has cut down on the amount of trees gone to the axe

An Animated Look at the Problem

"I have always been concerned about our environment, about how our recklessness has hurt the habitats of all Earth dwellers and how we have abused the environment for many years. Now I want to do more than just my fair share—to help educate others about the current state of our planet and what we all can do to reduce the problems. Our medium seemed like the perfect way to reach millions of people worldwide," says Tom Hudock.

Tom Hudock is co-owner of a New Jersey computer animation firm, Systemax, with partner Sean Bickerton. The two create custom-designed animated computer presentations, which clients pop into personal computers for product demos, advertising and training. Recently Hudock turned to several CompuServe forums to develop content and marketing ideas for "Project Earth," an animated educational program with a strong environmental message.

Hudock has been soliciting viewpoints and input from members of the Good Earth Forum, the Working From Home Forum and the Public Relations/Marketing Forum. "I have received some very good feedback from people, giving me a good idea about what environmental issues concern them and how they have changed their lifestyles to be more responsible," he says.

Hudock posted messages describing his



GARRY BURDICK

Animated earth: Hudock, Bickerton

project and quickly received the information he needed: opinions on environmental problems and how to solve them, names of environmental groups that might be likely markets and messages that simply offered him moral support. The feedback enabled him to focus the product on key issues and answers and to try out different marketing

concepts without ever leaving the keyboard.

"Our first thought was to simply present the idea and concept to some major environmental organizations and see if they wanted to buy it," Hudock says. "We would then work with that organization as far as content and focus of the presentation, in exactly the same way we would when making a presentation for a software company."

"The second approach we thought of was to concentrate on informing people about buying alternative, environmentally safe products. We would create the presentation completely ourselves, then sell electronic advertising to companies that wish to be mentioned in the presentation. Viewers could get detailed information about products from a menu selection within the presentation. The only thing we would have to work on is how to obtain advertisers and guarantee adequate distribution."

Systemax is putting together a computer presentation to market the final concept, which Hudock hopes will combine both environmental education and purchasing information for the "green" consumer. Project Earth is still in the early stages though, Hudock says, and he'd love to hear from people with ideas about cleaning up this planet we all call home. His CompuServe User ID number is 71511,1375.

—MJM

with CompuServe Mail. "My old fax habits were to go through several iterations of getting my proposal just right and then faxing it out. Now each version is electronic and I rarely fax printed material."

Great Outdoors Forum Administrator and free-lance writer Bill Clede tracks the number of publishers who deal with free-lancers online. So far he's up to 27. "Text by Telecom, that's my motto," he says. "Magazines are only now coming out of the Dark Ages when it comes to working online."

Linking the power of 560,000 online users to the might of the television is to be the next Great Leap Forward for the computerized environmental activist. Turner Broadcasting System Inc.'s new Network Earth Forum is an active adjunct to the program of the same name. Premiering Aug. 12, the show will air via cable at 11 p.m. Eastern time on Super Station TBS to more than 54 million homes in the United States.

The Network Earth Forum will come about as close to interactive television as you can get. The production staff won't be a list of names rolling by on the closing credits. They'll be online fielding questions, listening to ideas and expanding on topics covered in



COMMERCIAL COLOR STUDIOS, INC.

Outdoors and online: Clede, Jessie

the 30-minute show. Viewers can share ideas, questions and gripes with other online groups, too. Environmental groups will be profiled both on the show and online, so users can be enlisted to tackle issues closest to their own hearts. Best of all, it's the viewers' big chance to tell the TV people just what they'd like to see on the screen.

"We're very interested in suggestions about what is going on in the viewer's area of the country," says Staffan Sandberg, associate producer and forum sysop. "What issues concern them? What suggestions do they have about both the show and the forum?"

"The idea is to inform you and also tell you how you can get involved," he adds. One library section will have supplementary information, such as tips on how to lead an environmentally sound lifestyle, eco-activities that you can get involved in, transcripts from conferences and shows, news clippings and information on upcoming shows. In the "Get Involved" section, three environmental groups each week will be featured. "We will give kids their own section because they seem to be taking the lead in many communities," he says. "We would include things kids are doing themselves as well as things parents can do with their children. The message section will allow viewers to talk back and to each other with questions, suggestions, complaints or whatever. We're very interested in getting story ideas from the public."

"We want to be talking with viewers the other six days and 23-1/2 hours we're not on

Environmentalism Online

The power of technology is growing along with the rate of tropical deforestation, the mounds of garbage, the thinning ozone layer, and the threat of climate changes that may loom in our future. You don't have to grab a shovel and head for your nearest toxic dump to have an impact; the first thing to change is your mind. Touring the following areas will get you thinking about how you think, weighing the earthly cost of your actions, and start you down the road toward more conserving instead of mere consuming.

Network Earth Forum (GO EARTH)

The online complement to Ted Turner's new environmentally aware TV program, it offers transcripts of the show's news reports, information on joining activist groups, news clippings, guest speaker conferences, and the opportunity to tell the producers what issue they should cover next. Library 5, At Home, reserves files on making your own habitat ecologically sound: RECYCL.001 details do's and don'ts of recycling, while ENERGY.001 and WATER.001 explain conservation of home utilities, with listings of additional publications and organizations to consider.

Good Earth Forum (GO GOODEARTH)

The conversation threads here start at garden level and keep going. How do you get rid of cutworms, leaf miners and slugs without killing everything else that crawls through your topsoil? How do you organize a low-impact dinner? Where do you find a recycling center in your neighborhood? Does anyone have blueprints for passive solar heating that really work? Library 9, Earth Day/Ecology, is full of ideas, projects and resources: ECONET.TXT details access to EcoNet, an online ecology network; J.DOC explains how to get rid of wasteful junk mail; SEATTL.TXT relates the inspiring words of Chief Seattle of the Puget Sound Indians, written in 1854 and more relevant now than then.

Outdoor Forum (GO OUTDOORFORUM)

Message-section discussions here have ranged from environmentally sound camping to nature projects for Scout troops to debates over balancing the needs of humanity and the needs of endangered species, specifically the Spotted Owl vs. the Pacific Northwest logging industry dispute. Library 16, Environment, keeps updates on clean air legislation, wetlands conservation, as well as these files: NFWF.001, on the National Fish and Wildlife Foundation's "Partnerships for Conservation" program; PLASTI, on how the "paper or plastic" question is a no-win situation; and EARTH.002, one of several uploads from the controversial Earth

First activist group, detailing its history. A companion clipping service, Outdoor News (GO OUTNEWS), holds the latest environment-related articles from the major wire services.

Safetynet (GO SAFETY)

This forum addresses the issues of the industrial environment. Users dial it up to ask for advice on mining regulations in their state, defeating proposals for power plants in their backyards, or disposing of toxic wastes. Files in Library 11, Environmental, offer information on underground storage tank regulations (UST1.TXT, LUST1.TXT), an explanation of the environmental audit process for property or facilities (ENVIRO, REFERE), and instructions on accessing an EPA toxic material database (TRI.TXT).

IQuest (GO IQUEST)

IQuest's potential for culling well-rounded articles on ground water, toxic materials transport, nuclear waste disposal or just about any environmental subject is almost limitless. A News or General Reference SmartSCAN will yield the most current magazine, newspaper and wire reports on your topic of interest. Need to "get technical"? Do an Earth Sciences SmartSCAN (selecting "Science & Technology" on the SmartSCAN main menu), or use IQuest II to head straight for the Environmental Bibliography database, which indexes two decades of articles from such periodicals as *Audubon*, *Science*, *National Wildlife* and a wide range of scientific journals. For an international perspective, try the Pollution Abstracts database; it monitors the worldwide technical literature of environmental science, examining the social and legal aspects of fouling our planet.

Magazine Database Plus (GO MDP)

Even more earthly essays can be had from such worthy publications as *Popular Science*, *Scientific American* and *Whole Earth Review*. Of particular note is the text of recent special issues of *Smithsonian* (April, 1990) and *American Forests* (Jan.-Feb., 1990), devoted entirely to environmental issues.

Newspaper Library (GO NEWSLIB)

See how communities all over the country are dealing with local concerns by accessing one of the 42 city newspapers found on this service, including those with environmental columnists: Stevenson Swanson of the *Chicago Tribune*, Janet Day of the *Rocky Mountain News*, and Jim Detjen of the *Philadelphia Inquirer*.

the air," says Executive Producer Henry Schuster. "We'll be using the camera to turn people on to environmental issues.

"One issue of the 21st century is making sure we're computer literate," he adds. The Network Earth staff is looking to do that among both children and adults by tying computer literacy to environmental activism. "We hope to have specific conferences once a month. Say, bring 40 high schools from around the country online together for a seminar."

Sandberg adds, "The forum will evolve, but one idea is to use the CompuServe Convention Center and bring in scientists, politicians and other guest speakers to discuss environmental issues. It may be by invitation only or you may need to make reserva-

tions. We'll also have lots of smaller conferences and have a section open for spontaneous talk."

Talk is something any serious CompuServe user will agree goes on in abundance in each of the forums. Good Earth Forum's Howard Maculsky predicts that environmentalism will give more people something to talk about online.

"We've had very good support and lots of 'keep up the good work' comments from our online family," he says. "We've had some users who've sought information on how to influence their own local governments and local officials seeking 'how to' ideas on recycling. We encouraged people to seek out Earth Day activities and join in. We hope this type of action will cement people into a

permanent commitment. We hope to hear of their successes eventually."

There are a million and one things users can do online to sustain the environmental effort. Fire off a Congressgram with CompuServe Mail. Kick the tires on NASA's Earth observation satellites on the Space Forum. Share ideas for reducing drive time and paper use on the Working From Home Forum. Leave the car in the garage and shop The Electronic Mall. Skip the library and tap into IQuest. Or just make yourself a tray of veggie snacks and settle down to watch Network Earth. Then give the folks at TBS—and 560,000 other environmentalists—a call, online.

Maura J. Mackowski is a free-lance science and business writer based in St. Louis. Her CompuServe User ID number is 76004,2243.

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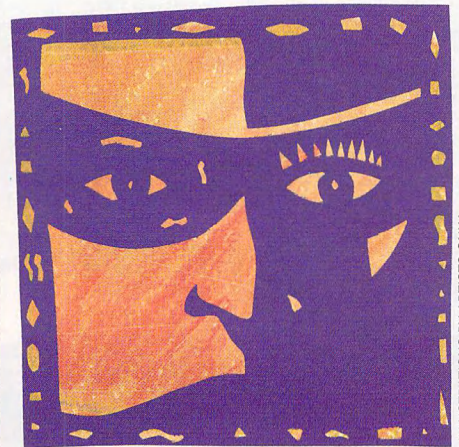
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by Susan Katz



ILLUSTRATIONS BY ARTISTS ONLY

Online Etiquette: A Guide to Forum Decorum

► It's an easy concept to master: How you act is who you are.

When I was a student at the University of North Carolina, when Miss Manners was still in pigtails, a little old lady named Otelia Connor appointed herself keeper of campus etiquette. With her self-proclaimed title, she would sweep through the lobby of the Student Union, smacking unsuspecting students with her umbrella, reminding them to get their feet off the coffee table.

PERSONAL BUSINESS

It's no wonder that the phrase "online etiquette" might make any of us blanch, or that the word "manners" gives us that Maynard G. Krebs crick in the neck.

Why bother with good manners online? We can, after all, log on from home, wearing a bathrobe that was used by the

kids as a bike-cleaning rag, and no one's the wiser. Why dude up with something as seemingly extraneous as manners?

"Because good manners," explains Marja Barrett, etiquette consultant from Cincinnati, "facilitate understanding. Etiquette has a unifying effect on society, and within a community there are codes of conduct. If that is ignored, then one takes the consequences—they're not invited to the party, they're not promoted on the job."

As we build here not just an electronic highway but an electronic nation, we are creating our own code of conduct. What we are to others online is pretty much what we create of ourselves by pixel. And if that image is of a blustery, ill-mannered person, we may miss out on the fun of the party.

A party, in fact, is just the analogy a lot of sysops and CompuServers use to describe the forums, and party manners in offline life apply online, as well. All of the sysops interviewed noted that rude online manners are by far the exception rather than the rule. But they were able to note some behaviors that occasionally clogged online interaction rather than smoothed it.

"I tend to think of the forum as an extension of the house," says Janet McConnaughey, assistant sysop of Literary Forum (GO

LITFORUM) and Associated Press reporter. "Or possibly a large house unto itself where we all get together—a coffeehouse, maybe. Most people wouldn't walk into a party and start criticizing the canapes before they saw who was there or before they talked to people for a while."

Neither would they willingly walk into a party and insult the person they're talking to rather than dealing with the subject at hand. ("If you don't agree with me, obviously you're a turkey brain.") Same goes for online.

Do's

Some rules of the road for the electronic highway:

Do give people slack in written communication. Some people are more adept at it than others.

Do remember that there are people on the other side of your computer screen, real people. Treat them as friends, as you would like to be treated.

Do remember that when dealing with a problem online, humor goes a long way. By the same token, a harsh word, when scrolling across someone's computer screen, looms much larger, and lasts much longer, than a harsh word spoken on the wind that soon dies.

Don'ts

Some rules of the road for the electronic highway:

Don't assume, in a software forum, that the software is to blame. State the exact problem and what you need the software to do.

Don't assume, in any forum, that the sysops are employees of the software or hardware company or of CompuServe or that they have magical powers to solve your problems.

Don't barge into any forum looking for the electronic equivalent of a one-night stand.

Don't, in an anonymous forum, reveal identities of people behind the handles.

"It's more informal than a cocktail party," says McConnaughey. "It's more like a cookout. Same sort of behavior goes: Talk about interesting things, don't insult the host or the guests, and don't punch anybody out."

Connie Kageyama, IBMNET sysop, talks about the atmosphere created there (GO IBMNET). "There are really few rules of the road. As in any gathering, we ask that members show a 'modicum of decorum,' i.e., we don't allow swearing or personal attacks.

"Our greatest strength is our membership," he says. "The only thing that's bad manners, in my opinion, is the user who comes on and says, 'I need information about such and such. Send information to electronic mail because I'm too busy to come back here.' Or the person who says, 'I need help. Call me at this number.'"

Theresa Carey, owner of Alta Business Solutions in Palo Alto, Calif., and CompuServe trainer for Mentor Technologies (GO MENTOR), teaches new users how to apply common courtesies they already know to this electronic system that is otherwise new to them. "I tell people to introduce themselves when they join a forum. 'Hi, here's why I'm here, here's what I do.'"

"If you ask for information, check back fairly often, rather than letting the replies scroll off the board. And send a group thank-you instead of cluttering up the message board with 50 thank-you notes."

Bruce Rodgers, playwright, creativity consultant and assistant sysop on the WordPerfect Support Group (GO WPSG), says good manners go a long way in WPSG toward getting what you want. "Sometimes people come online and they're frustrated and angry," he says. "They can't get the software to work, their deadline is yesterday, and they are unhappy. Our forum is very community-minded. When people come on with a serious and earnest problem, others dive in. When people come on with an attitude, the attitude becomes the subject instead of the problem.

"In this forum, the best way to maximize your chances for a positive resolution to your problem is to state your problem sincerely and honestly without a lot of negative vibes, and everyone will be glad to jump in and help.

"The idea is to have fun, to read and to learn, and to take advantage of what people know. Any kind of humor you can inject into your messages enhances the chance that the message is going to have a life of its own and spawn other replies."

"One of the problems with online communication is that you're not face-to-face," says Marsha, assistant sysop for the Human Sexuality Support Group (GO HSX) and electronics systems analyst. There's no body language or vocal inflection. Emoticons take the place of that—the smiley face, the frowny face, the wink."

When people get involved in a fervent conversational thread, she notes, they sometimes use brackets, as in "<beating head against the wall>."

HSX has its own set of special considerations. It's a support group, with serious discussions about issues, "but some people see online communication as something apart from normal face-to-face communication," she says. "They don't realize that a lot of the same rules of etiquette apply." Some people come in with what she calls "the dance hall mentality." (See "CB Manners" on page 38.)

The HSX conference area, in which one can often find others to talk to all hours of the day or night, is likewise a place where people have discussions, where they often know each other from message threads.

<<BELLE>>, CBer and originator of CB's West Coast brunches, compares CB with its real-time conversations, to a cocktail party or a pub, with some of the same rules applying. "Anything you'd find a *faux pas* in real life is one here, too."

What's not OK in CB, <<BELLE>> says, "is ragging on other people, putting them down, making rude remarks." On CB there's the option to /squ [squelch] a person so you don't have to see his or her lines.

So best to mind your manners. Don't cuss. Don't insult. Don't interrupt. Don't demand attention. Learn some courteous "body" language <smile>. And first and foremost, say please and thank you.

It's everything we learned in kindergarten.

Susan Katz writes magazine articles and scripts in Los Angeles. Her CompuServe User ID number is 75300,320.

A jolly addition to your December edition.

We've slated a special Macintosh insert for December's CompuServe Magazine. Here's a peek at what's under wraps for your season's readings:

Apple talk.

A view from inside Apple.

Favorite Utilities.

Members pick their favorites from the Macintosh forums.

The CompuServe Information Manager.

News on the software that puts CompuServe on your desktop.

Product support.

Where to get support that's only a click away.

So take us home for the holidays. Drag your mouse into the Macintosh Community/New Users' Forum (GO MACNEW) before October 1. Active members of Macintosh-related forums are already on our list.

Our Macintosh insert. Proof that good things can come in small packages.

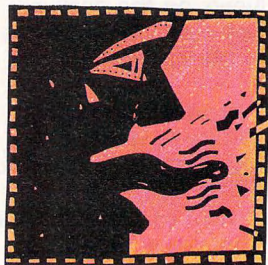


Minding Your CB Manners

Without question, CB is a universe separate and distinct from the mundane, everyday world. The online gabfest not only has its own abbreviated lingo and "handle" nomenclature for its participants, it has its own set of social gaffes, abuses, mores, cliques and basically a general order of things. Those uninitiated in the ways of CB will find this brief guide saving them time, money, and ultimately dire embarrassment.

Hi! Hugs! Shakes! Hi! (ad infinitum)

CB is above all a friendly medium, so it's little wonder that tuning into a popular channel at a popular hour yields an overabundance of salutary exchanges—it's customary for the "hijas," "heys," and "rehis" (shorthand for "Hi, again" following a refrigerator run) to break out like teenagers at a mall. Some will mercifully offer up a "generic hi" (white with a black stripe <grin>) to all those in attendance, holding the scroll rate to mere sub-warp speed. With the advent of the /SEND command and more recently the CompuServe Information Manager (CIM) software, the stream of greetings has hit flood stage: the juicier conversations now flit behind others' backs and hole up in private groups. It makes for a more interesting party, anyway.



Screaming Meanies

Also known as the PEOPLE WHO TEND TO LEAVE THEIR CAPS LOCK ON, they're usually CB "newbies" unaware that typing in such a manner is tantamount to brandishing a bullhorn in a library, or else someone dialing in from an older, sans-lowercase "dumb" terminal. In the former case, the offender is reminded, politely or otherwise, to "Stop YELLING!" Unfortunately in the latter case, the only recourse for fellow channelmates (save for the /SQUELCH command) is to <grin> and bear it.

To MORF or Not to MORF?

It's the biggest etiquette question mark online, asking another to state if they are male or female. While being a perfectly rational, even essential, query considering the androgynous nature of many handles, the appropriateness of requesting such information is context-sensitive (forcing the

other person into playing a split-second game of Guess Your Motive), and in some cases will end the dialogue as fast as it started. If you really don't need to know, don't ask.



Macro Attack!

Loosely constructed of lines of stars, dashes, parentheses and other exotic combinations of punctuation marks and letters, macros are small graphic images or oft-used phrases and exclamations run out by a communications program at the touch of a key. Should a fellow CBer leave you giggling helplessly with a witticism of immense proportions, a preprogrammed ROFL! (more CBese: Rolling on the Floor Laughing) or HAHHAHAHA!!! may be called up with a stroke. While macro expressions could be construed as being slightly insincere or sitcomish canned laughter, some CBers find them absolutely necessary in the face of increasing baud rates and a medium where, let's face it, timing is everything. Many of the macros are elaborate works (such as depictions of birthday cakes or Bart Simpson) and are considered online signatures, the theft of which (like handles) is CB sin.

Shy Lurkers

These are the skittish folk who screw up their courage enough to come to the party, but end up blending quietly into the corner wallpaper. Keep in mind that even the most prolific CompuServers first crept into CB this way, half hoping someone would waltz over and strike up some small talk, but half scared-to-pieces of the thought. The quantity of private messaging has made it easier to skulk unnoticed, but apparently no more acceptable: a few CBers revel in the blood sport of embarrassing lurkers (granted, some of whom *aren't* of the shy variety), where a simple "hello" or applying the "live and let live" maxim would suffice.

People Who Don't Shut Up

Yes, on CB as in real life, there are those whose offensive remarks or endless droning on the same tired topic makes your teeth scrape and your eyes roll back into your head. Strangely, this has brought on the

creation of a second, complementary group, the Increasingly Agitated People Who Won't Squelch Somebody for Fear of Missing Being Insulted. Best advice: "outweird" them, nuke 'em off your screen, or better yet, encourage everyone on the channel to move to another one, leaving the obnoxious CBers to themselves and a roomful of electronic hot air.

Clumsy, clumsy...

A dropped "/SEND," or private comment made to a fellow CBer that appears on the channel, is the ultimate electronic *faux pas*, although it tends to elicit wild rounds of chuckles and <applause>, instead of gasps. Caused by intermittent line noise or, more commonly, a horrendous typographical error in the command, your only hope is that it wasn't the line you passed on to Job 78 about how much you like spiders.



The Mindbenders

The family who just moved in the rickety house next door? No (hopefully). Fortunately the CB exception rather than the rule, they enjoy playing games with your head, pretending to be younger, older, or the opposite sex, logging on long distance (from a node that's not theirs) or with multiple User ID numbers, making them hard to trace. The end result always borders on humor or pathos: sometimes it's just for fun (this type is more easily spotted), sometimes it's someone experimenting with limits of the medium's anonymity, and sometimes it's a pure nutcase. CB Society columnist Cupcake once helped a "Pregnant & Pretty" through nine months of advice on nurses and the Lamaze birthing method, only to discover that the *man* playing the part was neither pregnant nor pretty. If you're developing an online relationship, the accepted practice is to develop an offline one as well—ask for a picture, spend time talking on the phone, meet in person. The greatest advantage to CB in forming friendships, its facelessness, on rare occasion can be its biggest drawback.

—Christopher Galvin

by Trish Krotowski



A Really Big Coffee Table

► New Magazine Database Plus has popular titles aplenty.

You have to have that Buckley quote. The one in the *National Review* that you highlighted in Archie Bunker blue and stacked in the garage beside mountains of *Inc.* and *Psychology Today* magazines. But who's got the time to dig for it?

No need to worry about that anymore. Magazine Database Plus (GO MDP) now offers magazine rat-packers an electronic alternative to their never-can-find-it-anyway filing systems. Provided by Information Access Co. (IAC), the same people who developed CompuServe's Computer Database Plus (GO COMPDB) and Health Database Plus (GO HLTDB), the new magazine product makes available more than 90 general-interest publications dating back to January 1986. They cover such diverse subject areas as current events, business, science, sports, news, people, personal finance, family, arts and crafts, cooking, education, the environment, travel, and political and consumer opinion. Book and movie reviews are also included.

Magazine Database Plus at present contains the full text of some 100,000 articles. Says Gary Ellis, IAC market development manager, "With Magazine Database Plus, our objective was to build a highly effective, general-purpose database. To achieve this, we've tried to include the best publications in each of the areas we cover, such as *US News & World Report* for current events and *Car and Driver* for automotive topics. Magazine Database Plus is a great place to go to research a variety of topics that have been in the news or covered by the magazine press recently or within the last few years."

Article selection is made by IAC's editorial staff, who go through and pick articles to be included in the database. "Our requirements for inclusion are that the article has a minimum length of a published column—and deals with a substantial topic."

What can you expect to find on Magazine

PERSONAL BUSINESS

Database Plus? The database serves home, office and educational research. Looking for movie or theatre reviews? Need background information for a homework project? Interested in reading opposing viewpoints on a political issue? Magazine Database Plus can help.

All articles are indexed using a subject thesaurus—that means that every article gets an editorial review and is assigned subject categories so that the searcher does not get just the casual reference.

"Like other IAC databases, Magazine Database Plus provides a number of search methods. I use the keyword search technique most of the time myself," says Ellis. "It's very convenient. It looks at the article title, sub-

ject heading, product name and company name. It is not quite as precise as other search methods, but it is very easy to use and usually very effective.

"I think we've given CompuServe users the best of all worlds with Magazine Database Plus," he says. "A novice can use the keyword search while more experienced users may want to work with other access methods alone or in combination. For example, Boolean capabilities are there for the power searcher, including proximity operators and nesting. The important thing is that we have all the tools there if you want to use them."

Trish Krotowski is a free-lance writer based in Monmouth Junction, N.J.

Can't You Just "Browse"?

As in CompuServe's health magazine database, there are six methods used to search Magazine Database Plus:

1. **Keywords**, such as those occurring in article names, subject headings, company or product names.
2. **Any words** occurring in the articles.
3. **Subject headings**. The editorially assigned categories.
4. **Publication names**. List those publications you want included or excluded from the search.
5. **Publication dates**. You specify a range of dates you want searched.
6. **Article reference numbers**. Unique numbers assigned to each article in the database.

Keywords are a good place to start a search. The database will inform you of how many articles meet your keyword search. For example, a recent search for the keywords "fax machines" yielded 12 articles in publications as diverse as *PC Week*,

Working Woman, *Modern Office Technology* and *Canadian Business*.

The search can then be narrowed or widened if the number of articles is too large or too small. Once satisfied with the results, display the menu of all matching full-text articles. You can also display connect and retrieval charges.

The same commands that are active in other CompuServe databases work in Magazine Database Plus. For example, T for TOP brings you to the top menu; M for MENU displays the previous menu; S for SCROLL lets you see the entire text of an article without pressing the Return key after each screen. F is for FORWARD, B for BACK, N for NEXT and P for PREVIOUS pages within the article.

In addition to the basic connect-time charges, the cost of using Magazine Database Plus is \$15 an hour, or 25 cents a minute. Full-text articles retrieved cost \$1.50 each.

by Cathryn Conroy

When That Periodic(al) Urge Hits

As publishers discover the benefits of electronic databases, more magazines and journals are available online in either full-text or abstracted versions.

As a CompuServe subscriber, here is what you have at your fingertips:

Computer Database Plus offers the full-text and abstracted summaries of computer-related articles from more than 130 leading industry publications in the areas of hardware, software, electronics, engineering, communications and the application of technology. Updated weekly, the database contains more than 130,000 articles. Surcharges: \$24/hour (40 cents/minute) connect time plus \$2.50 for the full text and abstract or \$1 for the abstract only. GO COMPDB.

Health Database Plus provides current and comprehensive coverage of consumer and professional publications in the areas of health, nutrition and fitness designed for the lay reader. The full text of core journals and consumer magazines is offered, while the professional literature is presented as an abstract. Surcharges: \$15/hour (25 cents/minute) connect time plus \$1.50 for each full-text article or \$1 for the abstract only. GO HLTDB.

Iquest is one of the most comprehensive information and reference services available anywhere, offering access to more than 850 publications, databases and indexes from the fields of business, government, research, news, popular entertainment, the arts, medicine, science and more. Some of the databases provide full-text articles, while others offer abstracts or complete bibliographic information. Surcharges: search \$9; SmartSCAN \$5; database search charges \$2 to \$25; abstract \$2 each; hard copy regular delivery \$16 per article; hard copy express delivery \$39 per article. GO IQUEST.

Consumer Reports offers online the full text of selected product and service reports published monthly in *Consumer Reports* magazine. The date of original publication is shown on the menu with each

article. Reports are listed in one of four categories: appliances, automobiles, electronics/cameras and home. The automobile category is searchable by several criteria, including type and model of car. Surcharge: \$1/per article or vehicle. GO CONSUMER.

National Technical Information Service contains references and abstracts to articles from government-sponsored research, development and engineering reports. Updated every two weeks, coverage dates from 1970 to the present. Full-text records are available directly from NTIS, an agency within the Department of Commerce. Surcharges: search \$2; full reference \$2. GO NTIS.

Commerce Business Daily includes the full text of Department of Commerce publications that list all significant federal contracts, requests for proposals and other data related to government contracts. Updated daily, the database includes listings for the most recent 90 days. Surcharges: search \$2; full listing \$2. GO COMBUS.

Dissertation Abstracts offers information on dissertations for academic doctoral degrees at accredited US institutions since 1861, and selected Masters theses and dissertations accepted at US, many Canadian and other non-US institutions. Abstracts are available for dissertations added after July 1980. Surcharges: search \$4; full reference with abstract when available \$4. GO DISSERTATION.

Magill's Survey of Cinema contains in-depth articles covering films released since 1902, including the title, country of release, cast, credits, rating, release date, running time, references to reviews, production studio, extensive plot summary and discussion of significant influences on the film. Surcharges: search \$2; complete text of movie information \$2. GO MAGILL. (The surcharges listed are all in addition to regular CompuServe connect-time rates.)

Cathryn Conroy is a contributing editor of CompuServe Magazine. Her CompuServe User ID number is 70007,417.

An Arsenal of Magazines

The publications in Magazine Database Plus are:

A+
Administrative Management
Aging American
American Forests
American Health: Fitness of Body and Mind
American Heritage
American Libraries
The Atlantic
Bicycling
BioScience
Business America
Business Economics
Business Horizons
Business Month
Canadian Business
Car and Driver
Changing Times
Children Today
Colorado Business Magazine
Cosmopolitan
Datamation

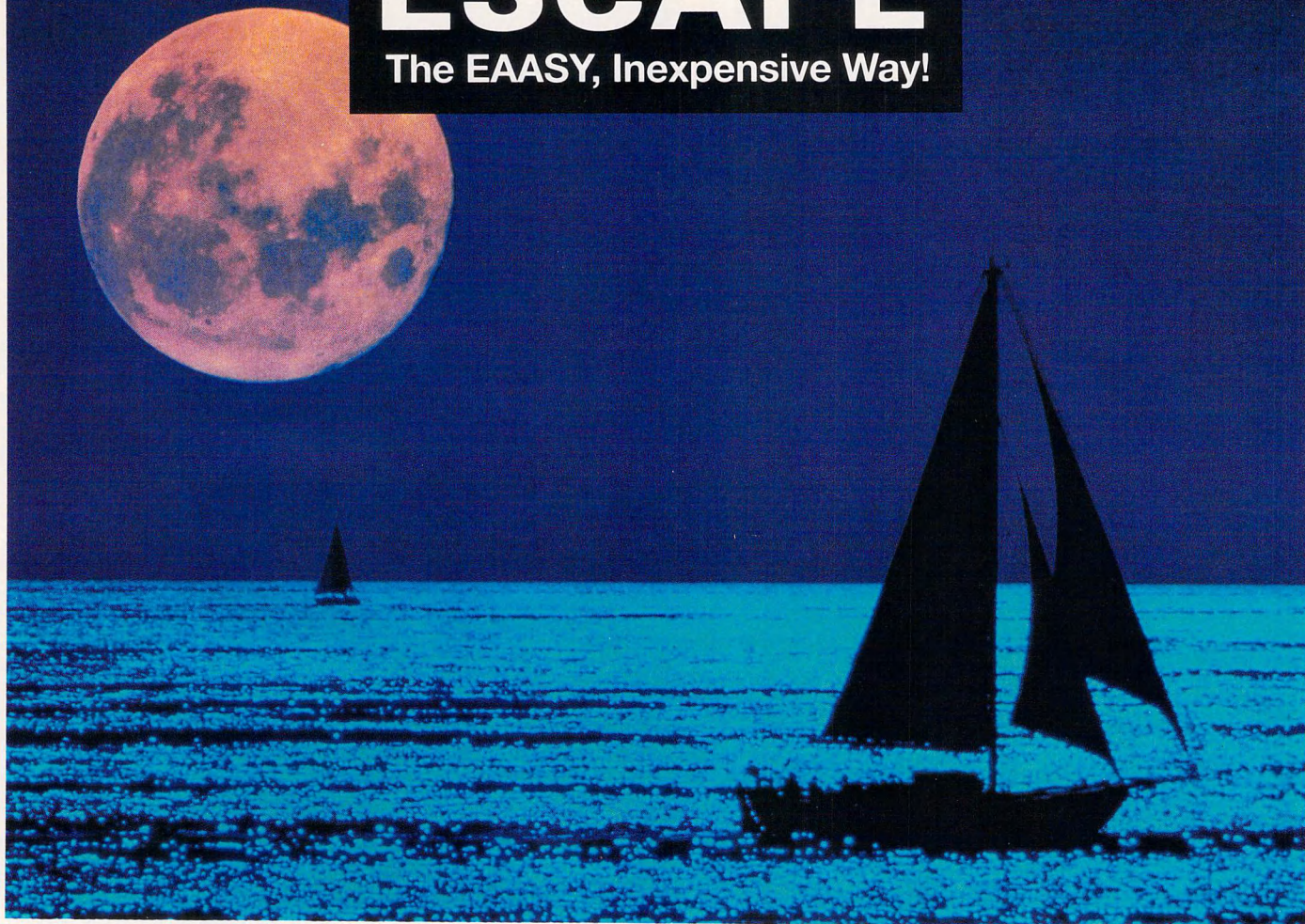
Department of State Bulletin
Discover
Dun's Business Month
The Economist
Electronic Learning
Essence Magazine
FDA Consumer
Federationist
Financial World
Food & Nutrition
The Futurist
Good Housekeeping
Harvard Medical School
Health Letter
Health
High Technology Business
Hippocrates
In Health, Inc.
Industry Week
Journal of Small Business Management
Labor Review
Labor Today
MacUser

Management Today
Men's Health
Modern Maturity
Modern Office Technology
Modern Photography Monthly
Monthly Review
The Nation
Nation's Business
National Review
The New Leader
The New Republic
Occupational Outlook
Parents' Magazine
PC Magazine
PC Week
PC/Computing
Personal Computing
Playboy
Popular Science
Prevention
PSA Journal
Psychology Today
Quarterly Online
Railway Age

Redbook
Research & Development
RQ
Runner's World
Sales & Marketing Management
Saturday Evening Post
Scholastic Update
School Arts Science '86
Scientific American
Smithsonian
Special Libraries
Stereo Review
Sunset Magazine
Technology Review
US News & World Report
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UNESCO Courier
Washington Monthly
Whole Earth Review
Woman's Day
Women's Sports and Fitness
Working Woman

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 - 1A. Select #5 and complete "Application to use EAASY SABRE." (There is no charge to become an EAASY SABRE user.) Once you have your AAdvantage® Number:
2. Select #7 – "Travel Club," then
3. Select #3, "Enrollment Application" from the Travelers Access menu.
4. Confirm the information displayed.

Or, call toll free: 1-800-458-1028

9 a.m. to 11 p.m. weekdays and 9 a.m. to 6 p.m. weekends, Eastern Time.

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GO OLI for more information.

E70CS

Colorsqueeze

Puts the Squeeze on Mac Images

Eastman Kodak Co.

343 State St. Rochester, NY 14650 800/233-1650 or 800/233-1647 (in NY) Fax orders: 716/588-4807

Computers: Apple Macintosh II family.

Operating System: Macintosh System 6.0.3 or later with 32-Bit Color QuickDraw; Multi-Finder compatible.

Media: Supplied on one 800K 3.5-inch diskette; hard disk required to use built-in virtual memory technique.

Copy Protection: None.

Required Peripherals: Grayscale or color display card and monitor.

Other Requirements: Minimum 1MB memory; additional memory strongly recommended.

Optional Items: 24-bit color display; peripherals or software capable of making or using 24-bit or 32-bit color TIFF or PICT images.

System used for test: 5MB Macintosh IIfx with FDHD diskette drive, 40MB hard disk, Ehman 45MB cartridge drive, AppleColor RGB Monitor, Macintosh II Video Card, Scion Image Systems Video 1000 "Classic" video digitizer card, Digital Vision ComputerEyes/Pro board, Kodak SV5035 Slide/Video Transfer Unit, Kodak SV6510 Color Video Printer and Qume CrystalPrint Publisher laser printer, running System 6.0.5, Finder 6.1.5 and 32-Bit Color QuickDraw 1.2.

List Price: \$179

With high-level graphics, file storage always is a problem. Graphics having just 256 colors can be troublesome enough, with full-screen images needing a kilobyte or two of storage. But photorealistic 24-bit or 32-bit images can have millions of colors in TIFF or PICT files that are a half megabyte or larger.

I frequently digitize color slides using a Kodak Slide/Video Transfer Unit and a video digitizer. At my favorite 568-by-416-pixel size, the 32-bit PICTs take 500K to 800K of disk space, and 24-bit TIFFs take even more. I could use smaller 8-bit files, but color and quality suffer in other applications.

I also generate raytraced models with Stratavision 3d, which outputs only 32-bit PICT or 24-bit TIFF files. At large size (568-by-436 pixels), it has generated PICTs reaching 2.4MB.

To complicate matters, the popular StuffIt utility gains little. Its 5 percent to 15 percent reduction of large color files won't let me offload more than one or two digitized slides onto an 800K diskette. It doesn't get my raytraced renderings onto diskette at all. For a while, I archived using Compu-

Serve GIF format, reducing 700K digitized images to under 125K and 2.4MB raytraced images to about 150K. But GIF's 8-bit format sacrifices some color and detail.

Now Kodak has introduced remarkable

50 times or more, depending on the detail in images. Using 32-bit 568-by-416 digitized PICT files of color slides, I achieved the results in the accompanying table, typical of hundreds of compressions. "Raw 8-bit file"

Sample 32-Bit PICT File Compressions

Format	Image 1	Image 2	Image 3	Image 4	Image 5
Raw 8-bit PICT	209K	216K		229K	206K
Raw 32-bit PICT	691K	667K	552K	699K	674K
Kodak Normal KIC	86K	95K	74K	104K	73K
Kodak Medium KIC	52K	57K	47K	53K	47K
Kodak High KIC	19K	21K	18K	21K	20K
StuffIt SIT	573K	582K	449K	625K	568K
CompuServe GIF	123K	114K	123K	139K	118K

new image compression software. Colorsqueeze (version 1.0) applies "optimized discrete cosine transformation" to 24-bit and 32-bit color images, greatly reducing file sizes without losing image quality. Compressions save money by minimizing media needed for archival storage and minimizing modem transmission times.

Using Colorsqueeze couldn't be simpler. Load a TIFF or PICT file, and have the program saved as a compressed file. In about 40 seconds (on a Macintosh IIfx), a KIC file resides on the disk in the user's choice of normal, medium or high compression. If desired, the user can save 15K "thumbnails" within files for previewing later with Colorsqueeze (but not other programs).

Decompressing reverses the procedure. Load a compressed KIC file, and have Colorsqueeze save a TIFF (24-bit) or PICT (32-bit) file. The image is restored to full glory, suitable for Aldus PageMaker Color Extension or PageMaker 4.0, Letraset ColorStudio or other applications. Colorsqueeze can save PICTs or TIFFs with or without thumbnails. Although they make files slightly larger, thumbnails don't seem to interfere with other applications. However, Colorsqueeze won't save in 8-bit format, which I'd like for applications that don't need more than that (Kodak may add this in future revisions).

Incidentally, Kodak is introducing new software so their color video printers will read compressed KIC files directly. I know of no other software that reads KIC files, but I hope developers will recognize Kodak's technique and incorporate KIC compatibility. Until then, users must decompress KIC files with Colorsqueeze.

How much compression is possible? Kodak says Colorsqueeze can reduce files by

sizes are for comparison; compressions were made from 32-bit files. Add 15K for KIC files with thumbnails.

TIFFs paralleled PICTs for equally impressive compressions. With identical images in PICT and TIFF files of differing sizes, both compressed to the same size KIC files.

Impressive as digitized images were, I was astounded by compressing raytraced models. A 2.36MB PICT file from Stratavision 3d reduced to 160K, 97K and 35K KIC files with normal, medium and high Colorsqueeze compressions. The best I could do elsewhere was forfeit 32-bit data to make a 151K CompuServe GIF file.

What about image quality? I found that files restored after normal compression were nearly identical to the originals at reasonable magnifications. Images recovered from medium compression looked excellent at ordinary sizes but showed trifling alterations if enlarged 300 percent or more. Images restored from high compression showed some loss of fine details even at normal viewing sizes, but those were minor.

I'm enthusiastic about Colorsqueeze. I used to store one 32-bit digitized image or five 8-bit GIF conversions per diskette. Now I put 15 or more medium KIC files in the same space. In a few hours compressing old files, I recovered more than 60 diskettes.

Colorsqueeze ranks among the most useful utilities I've seen. Now will other developers acknowledge yet another graphic format and let us KIC-start their applications? ◀

Reviewed by Ernest E. Mau

Ernest E. Mau authored several books and more than 500 articles on microcomputer products and applications.

TrackMan

Not Just Another Trackball or Mouse

Logitech Inc.

6505 Kaiser Dr. Fremont, CA 94555 415/795-8500 Fax: 415/792-8901

Computers: IBM PC, PC-XT, PC-AT, PS/2 or compatibles (with free 9-pin or 25-pin RS-232 serial port or open bus slot).

Operating Systems: PC-DOS or MS-DOS version 2.1 or later.

Media: Bundled software supplied on two 5.25-inch diskettes and one 3.5-inch diskette; requires two diskette drives or one diskette drive and a hard disk.

Copy Protection: None.

Required Peripherals: Serial version requires serial port (COM1 or COM2); bus version requires a free slot.

Other Requirements: 256K minimum memory.

System Used for Test: Logitech Serial TrackMan connected to serial port of 2MB AST Premium/286 computer having Genoa Super-EGA HiRes Video Adapter, Sony Multiscan monitor and 80MB hard disk; running MS-DOS 3.2 at 10 MHz.

List Price: \$139 for serial version; \$149 for bus version.

Somebody must have turned a mouse upside down one day, and the trackball was born. Trackballs come in a variety of shapes and sizes. The ball is set in a box that also includes mouse buttons. Moving the ball moves the cursor. Supposed benefits of a trackball are that the box remains stationary, it takes less desk space than a mousepad and only the user's fingers move instead of the entire arm. But each trackball I tried in the past felt awkward. Every time I rested my hand on it or clicked a button, I'd bump the ball and inadvertently move the cursor.

Logitech solved that problem. TrackMan is an ergonomically designed trackball with a thumb driven 1.375-inch ball in a case measuring 4.25 by 5.25 inches. The ball pops in and out of the case for easy cleaning. The user's thumb rests on the ball, and the fingers rest comfortably on three mouse buttons above and to the right. TrackMan is available in serial or bus versions and is compatible with a Microsoft mouse or Logitech mouse. Software and hardware installation are easy, manuals are comprehensive and clearly written, and technical support is available daily.

Sensitivity—how fast the cursor moves when you move the ball—can be adjusted from 0 to 10 (50 dpi to 15,000 dpi resolution) on the DOS command line, by calling up the

Mouse Control Panel or by holding down Control and Alt keys and clicking mouse buttons. The ballistic effect, which moves the cursor slowly for detail and quickly for distances, also can be adjusted from the Mouse Control Panel or from the DOS command line.

Initially, using TrackMan wasn't as easy as it looked. My fingers and thumb had to coordinate their movements, especially during click-and-drag operations. Horizontal movement wasn't too difficult, but my thumb had problems moving the cursor vertically when I also needed to hold down a button with my finger. But no slipping was evident, and cursor control was tight and accurate when my thumb behaved itself.

Drawing with TrackMan was a challenge at first. TrackMan worked flawlessly with Paint Show Plus and Deluxe Paint II Enhanced, but I had to hold down the button with my forefinger and draw with my thumb, which felt awkward. Then I tried TrackMan with EGA Paint 2005, which automatically locks the mouse button. That was easier. With practice and after adjusting TrackMan's ballistics and sensitivity, my drawing ability in all three paint programs improved until it was no less with TrackMan than with a mouse.

I normally use a left-handed mouse. Despite Logitech's claim that Trackman can be used left handed (with a simple mouse menu change), I found that extremely awkward.

Logitech has packaged LogiMenu software with TrackMan. Forty-three pop-up application menus are included for AutoCAD, Ventura Publisher, DesqView, GEM, TopView, askSam 4.01, Paradox, Quattro 1.0, Supercalc 3 and 4, SideKick Plus 1.0, Symphony, TurboPascal, Word, WordPerfect 4.x, WordStar, XTreePro 1.0 and others. The applications menu for Lotus 1-2-3 has its own manual. Pop-up menus are particularly helpful and time saving in applications I use infrequently enough to have forgotten key-



stroke commands, and all pop-up menus can be modified.

Pop-up menus can be created easily for text-based applications. TrackMan manuals clearly explain how to write a menu definition in a text editor or word processor, and they include many examples of the LogiMenu programming language. Click mouse control files can automate loading a menu, so it will load with the application. Furthermore, pop-up menus written for the older Logitech mouse will work with TrackMan.

Ultimately, the decision to use a trackball rather than a mouse should be based on how it feels. Of trackballs I've seen, I like TrackMan's design the best, despite its lack of the mouse-button lock some other trackballs have. If possible, try several mice and trackballs to see what gives you the best sense of cursor control with the most comfort.

Although it took time and practice to become accustomed to TrackMan, I intend to keep using it instead of a conventional mouse. The pop-up menus are invaluable to me, and I like moving my thumb instead of my whole arm. I also like the small footprint and the sensitivity and ballistics settings. My mouse tended to scurry all over my desk, so I appreciate TrackMan's stationary stance and can find it without groping. TrackMan feels right and I like it, so it belongs on my desk. ◀

Reviewed by Christy Brothers

Christy Brothers is a free-lance writer and has been an active member of CompuServe and several computer bulletin board services for the past eight years.

Following are summaries of hardware and software reviews available for reading this month in *Online Today*. To read the complete reviews, type GO OLT-200 at any CompuServe Information Service prompt. For additional *CompuServe Magazine/Online Today* reviews published during the past two years, refer to the keyword-searchable buyer's guide in Library 5 of the OLT Forum (GO OLTFORUM).

Hardware Reviews



Tandy 1100FD Portable Computer

Tandy's 1100FD Portable Computer is a modest IBM-compatible laptop. It features an NEC V-20 processor, 8 MHz clock speed, 640K RAM; one internal 720K micro-diskette drive and a CGA-compatible LCD display. When computing needs are simple, reviewer Christy Brothers says it may be just the laptop computer, although its expansion capability is limited to adding an optional internal modem. *GO OLT-5505*

Kodak Slide/Video Transfer Unit

Kodak's SV5035 Slide/Video Transfer Unit does more than transfer 35mm slides to videotape. It also provides images to any computer video digitizing card that accepts NTSC or RGB video signals. After using it with a Macintosh IIcx and several digitizers, reviewer Ernest Mau reports that the Kodak unit serves well in that capacity, especially with its brightness, contrast, sharpness, color, zoom, pan and tilt controls for image correction. *GO OLT-5515*

Color Splitters Ease Amiga Image Digitizing

Color Splitter from MicroSearch and ProRes Still-Video Interface/Color Separator from The Desktop Advantage help Amiga computers digitize images. Both products electronically separate color into RGB components, eliminate color filter wheels with black-and-white video cameras and enable various color video sources. According to reviewer Cheryl Peterson, one device would best satisfy hobbyists; the other would please professionals. *GO OLT-5525*

Software Reviews

StrataFlight Animates 3D Models

Used with StrataVision 3D modeling software on Macintosh II or SE/30 computers, the StrataFlight motion scripting utility creates fly-by or walk-through animations. Reviewer Ernest Mau reports that StrataFlight animates only the viewing camera, not the model. However, it does 'tweening and accommodates several rendering techniques, including ray tracing. While StrataFlight can play animations, it also generates animation PICS files for other applications. *GO OLT-5535*

Correct Grammar Cleans Up Writing

Lifetree Software's Correct Grammar does "intelligent" single-pass spelling and grammatical proofreading on Macintosh computers. Despite not agreeing with everything the program considers errors, reviewer Ernest Mau finds features he likes. Those include whole-document proofreading and interactive text correcting. Yet the reviewer feels the program challenges too many correct structures and makes too many flawed assumptions in analyzing sentences. *GO OLT-5545*

Shortcut Simplifies File Access

According to reviewer Anthony Watkins, Aladdin Systems' Shortcut is a perfect Macintosh utility that makes life a lot easier. Among other things, Shortcut simplifies shuttling between multiple drives. It helps navigate between folders and can bounce back to the last folder or file for open or save operations. It also can find, rename or delete folders or files without exiting applications, and it can unstuff archives. *GO OLT-5555*

HandOff Redirects Files

Software Innovations' HandOff is an Init for Macintosh computers. It's supposed to bypass "this file could not be opened/printed" error messages by intercepting and redirecting files to compatible applications. However, it proved troublesome to reviewer Anthony Watkins, who had to expand computer memory before HandOff would work. Although some people would appreciate HandOff, the reviewer found little use for it in his computing and indicates that it might not interest everyone. *GO OLT-5565*

Presentation Graphics Package

Lotus Freelance Plus is a presentation graphics package for almost any IBM-compatible computer. In reviewing it, William Lynott says it can hold its head high among any presentation graphics programs available. It won't disappoint someone looking for a freestanding graphics program, and it may be the best program around for charting and graphing Lotus 1-2-3 data. *GO OLT-5575*

QuickGraph for Business Graphics

In reviewing Sumak Enterprises' QuickGraph, Franklyn Jones found one of the easiest, most intuitive graphics programs he has used on IBM-compatible computers. QuickGraph creates 32 types of graphs, and the menu-driven program can change graph types readily. Data can be typed or can be imported from Lotus, dBase or ASCII files. Graphs can be exported to WordPerfect, PageMaker and other programs. *GO OLT-5585*

Detailed Weather Information

WeatherBank's WeatherBrief program for IBM-compatible computers downloads information from the WeatherBank computer in Salt Lake City. Reviewer James Moran reports that the program can use hundreds of different data sets to prepare in-depth weather narratives or graphic displays of cloud cover, current conditions, outlooks, alerts, projections, forecasts and many others. Reports can be by geographical region, state, local area or metropolitan area. *GO OLT-5595*

Pursuit Sales & Marketing System

Information Management Consultants' Pursuit does sales and account management on IBM-compatible computers. In reviewing it, James Moran says Pursuit reduces paperwork for salespeople and helps use customer information. It tracks prospects, follows up sales, helps service customers and manages marketing aspects usually done manually. In fact, the reviewer praises the program's depth and ease-of-use. *GO OLT-5605*

Writing Style Replicator

Corporate Voice from Scandinavian Systems PC is a "writing style replicator" for IBM-compatible computers. To assure consistent written outputs, it creates and applies a benchmark against which all writing within an organization is measured. Reviewer James Moran found the software substantially bug free, though he saw some operational oddities. But he says it works well to make an organization's writing as unique and consistent as its trademark. *GO OLT-5615*

Control Room System Utility

Reviewer Franklyn Jones says he's never come across a program like Ashton-Tate's Control Room. This utility increases control over IBM-compatible computers by letting users analyze components and capabilities, customize system features, automate basic computing chores and protect against computer viruses. The reviewer says it offers nothing of a "must have" nature, but it does offer tempting features. *GO OLT-5625*

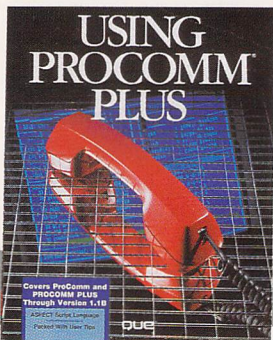
Book Reviews

Following are summaries of book reviews available for reading this month in *Online Today*. To read the complete reviews, type GO OLT-240 at any CompuServe Information Service prompt.

Developing dBase IV Applications

By Tony Lima
Addison-Wesley, 1989
528 pages, \$24.95 (softcover)

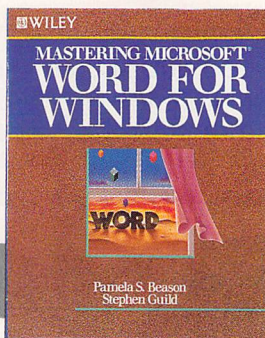
Focusing on the dBase IV Template Language, this tutorial-style book is actually quite readable despite its intense technical nature. Reviewer Franklyn Jones recommends it for serious dBase IV programmers. *GO OLT-5750*



Using Procomm Plus

By Walter R. Bruce III
Que Corp., 1989
404 pages, \$19.95 (softcover)

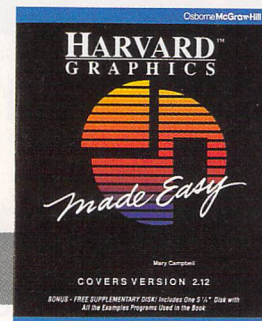
Noting that this is more than a manual on the Procomm Plus telecommunications program, reviewer Harry Green says this book will even benefit non-Procomm users. It offers good technical information that is valuable for those mystified by such arcane subjects as data compression, MNP and V.42 error correction. *GO OLT-5700*



Mastering Microsoft Word for Windows

By Pamela S. Beason and Stephen Guild
John Wiley & Sons, 1990
518 pages, \$22.95 (softcover)

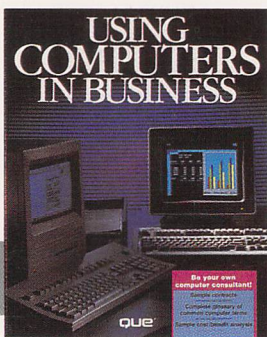
This competent guide that is easy to read and use will help Word for Windows users take full advantage of the program. Reviewer Robert Sanchez lauds the book for its easy-to-understand explanations, numbered and logical steps, and clear, crisp illustrations. *GO OLT-5730*



Harvard Graphics Made Easy

By Mary Campbell
Osborne/McGraw-Hill, 1990
640 pages, \$24.95 (softcover)

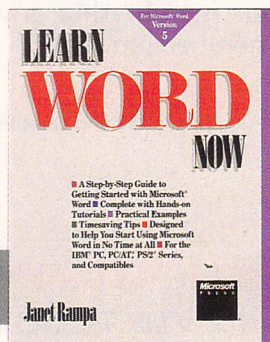
Deeming it the best of the books on Harvard Graphics, reviewer Anthony Watkins praises the author for walking readers step-by-step through the minefield of creating attractive graphics. He praises the book for its clear and concise writing style and superb organization that effectively replaces the program's inadequate manual. *GO OLT-5720*



Using Computers in Business

By Joel Shore with Bryan Pfaffenberger
Que Corp., 1989
458 pages, \$22.95 (softcover)

In addition to being a treasure chest of information and help for those who decide to computerize their businesses, this book also offers sound advice on how to realistically assess the need for automation. Reviewer William J. Lynott likens the text to advice from a personal consultant. *GO OLT-5710*

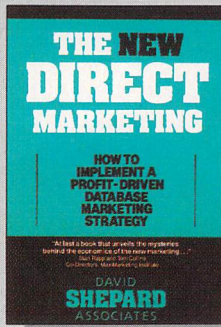


Learn Word Now

By Janet Rampa
Microsoft Press, 1989
416 pages, \$19.95 (softcover)

Calling this a great book for new Microsoft Word users who need some help getting acquainted with the program, reviewer Franklyn Jones says Word veterans are likely to find little value in it. *GO OLT-5740*

Maximum Marketing



Transform raw data into powerful marketing information with **The New Direct Marketing**. This practical guide covers statistical analysis, predictive modeling, plus database hardware and software. By David Shepard Associates. *Dow Jones Irwin*. \$49.95

FREE connect time every weekend at WaldenComputerbooks

GO OLI for more information.

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are selected for our database.

And there are over 250,000 of them! From kids' toys to wallpaper...from Nintendo to Westinghouse. It's no wonder why thousands of members across the country have made SHOPPERS ADVANTAGE their "number one" shopping choice. Browse our "store" and discover:

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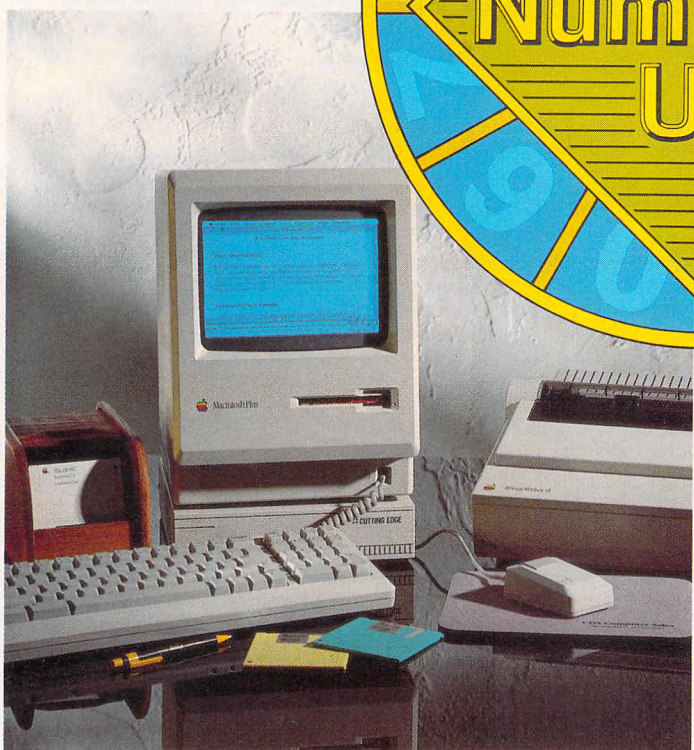
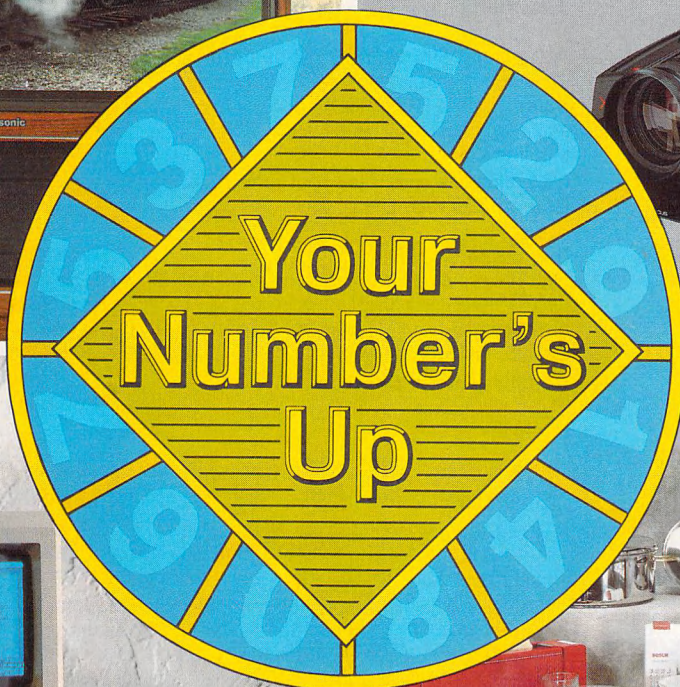
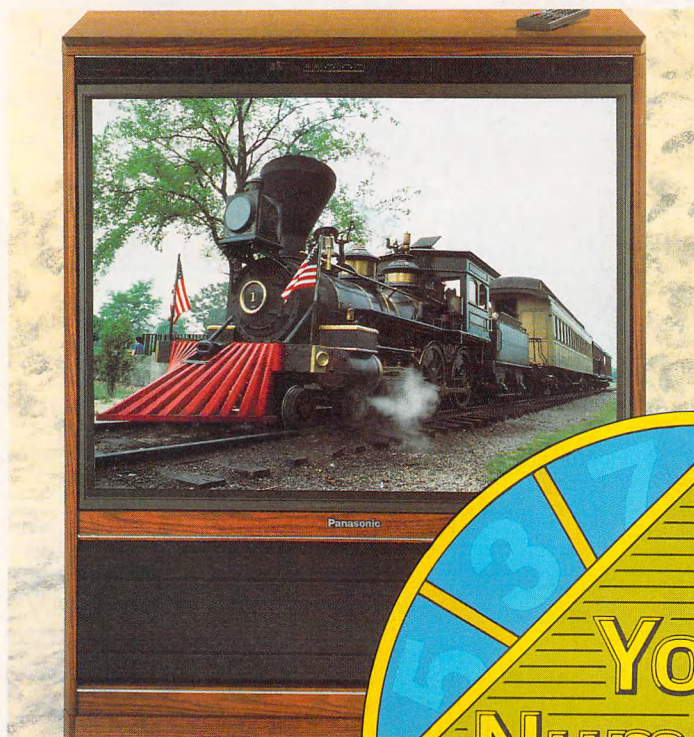
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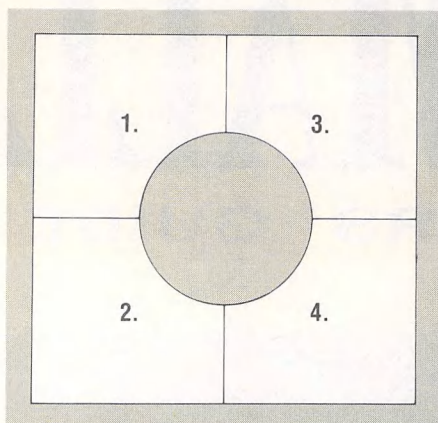
WIN great prizes in
"Your Number's
Up!" contest.

Shop free of
connect-time fees
at select stores.

GO MALL

SHOPPERS' GUIDE





GRAND PRIZE SHOWCASE

Win one of these grand prizes in The Electronic Mall®'s Your Number's Up! contest.

1. Panasonic® 45" stereo television.

The ultimate in home entertainment! 40.5-inch by 27-inch by 51.5-inch. Includes:

- Cinemavision® projection screen and liquid-cooled tube and lenses.
 - MTS/SAP stereo decoder and amplifier with four wide-range speakers.
 - 34-function remote control.
 - On-screen display of time, channel, sleep timer and menu.
 - Parental lock.
- Retail value: \$1,999.99.

Compliments of JCPenney. GO JCP

Shop JCPenney **free** of connect time fees Sept. 4 through 11 and Sept. 15 through 30.

2. Macintosh Plus computer system.

- Macintosh Plus, 1MB of RAM, keyboard and mouse.
 - Cutting Edge 20MB external hard drive.
 - HyperCard and Multifinder software.
 - ImageWriter II printer with cable.
 - 10 3.5-inch diskettes, CPU and printer dust covers, package of paper and mouse pad.
- Retail value: \$2,768. CDA Computer Sales discount price: \$2,274.

Compliments of CDA Computer Sales. GO CDA

Shop CDA Computer Sales **free** of connect time fees every day in September.

3. Panasonic video camcorder/VCR package.

Model #PV645. Two-speed, 12:1 power-zoom lens, carrying case and more! • High-speed shutter and low-light sensitivity. • Built-in speaker and 10-watt, color-enhancement light.

Panasonic VCR (model #PV4060): • 155-channel, digital quartz-tuning with auto-set. • On-screen display auto-prompts and calendar. • One-month, eight-program timer and record. Retail value: \$2,228.

Compliments of Shoppers Advantage Club. GO SAC

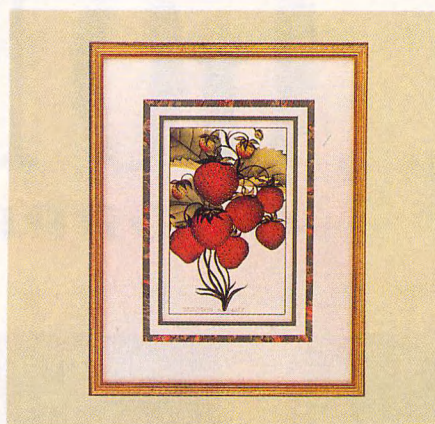
Shoppers Advantage Club, the world's premier discount shopping service, offers **connect-free** shopping on Sept. 10 through 16.

4. Cook's dream kitchen.

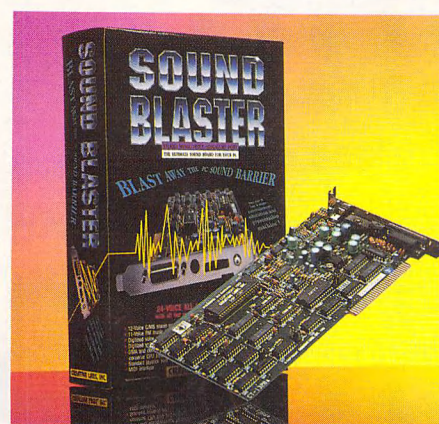
A dream kitchen, featuring more than two dozen top-of-the-line items, including: • Tefal Thick 'n' Thin toaster. • Eight-piece stainless-steel cookware. • Krups 10-cup Brewmaster. • Aldo Rossi Tea Kettle from Alessi of Italy. • Krups Espresso Novo. • The really creamy yogurt cheese funnel. • Krups Pressa one-quart citrus press. • The Lucerne European compact kitchen system and more! Retail value: \$2,012.

Compliments of The Chef's Catalog. GO CC

Shop The Chef's Catalog **free** of connect time fees Sept. 17 through 23 and Oct. 22 through 28.



A



B

Your Number's Up

More than 300 prizes! 50 new winners each week.

Your Number's Up! is your chance to win any of hundreds of great prizes, including four grand prizes, donated by The Electronic Mall® merchants. Many of the prizes featured can be ordered online, too.

A. Albany Strawberries framed print.

Stencil and watercolor from D.W. Dewey's *Nurseryman's Pocket Book of Specimen Fruit and Flowers*, 1875. Retail value: \$60.

Members: \$54.

Compliments of Museum of Fine Arts, Boston. GO FA

One dozen orchids.

One dozen dendrobium orchid stems with at least 10 blooms per stem, delivered via Federal Express from Hawaii. Retail value: \$39.95, includes delivery.

Compliments of Flower Stop. GO FS

B. Soundblaster.

A sound board that combines stereo music, voice, MIDI and a game port that plays through your personal computer, turning it into a super entertainment, education and presentation machine. Retail value: \$240.

Compliments of MicroWarehouse. GO MCW

Whisper 2000.

High technology disguised as an ordinary radio. State-of-the-art electronics enables you to hear a whisper from up to 100 feet away. Hear people talking in the next room. You won't believe your ears! Retail value: \$19.95.

Compliments of Court Pharmacy. GO RX

Enter The Electronic Mall's Fifth Annual Your Number's Up! Contest.

GO MALL and select "Your Number's Up!" to view complete product descriptions of the four grand prizes and to browse the list of weekly prizes. Remember, connect time is absolutely **free** when visiting the contest database. Dream on!

Fifty winners will be selected randomly each week for six weeks beginning Monday, Sept. 3. Enter weekly. Participants are eligible for the grand-prize drawing on Monday, Oct. 15. GO MALL for an official electronic entry form and complete contest rules. Or write to The Electronic Mall, a service of CompuServe Incorporated.

How to play.

1. Log on to CompuServe and GO MALL.

2. Select "Your Number's Up!" from the top Mall menu. Connect time is **free** as soon as you enter the contest database.

3. Answer the following question: What is the two- or three-letter GO code for any one of the four Mall merchants donating grand prizes in The Electronic Mall's fifth annual Your Number's Up! contest? Enter GO CODE: _____. Complete the official electronic entry form. Enter again each week for six weeks.

4. Check back every Monday at about 5 p.m. EDT when 50 winning User ID numbers will be posted. If "Your Number's Up," you are eligible to go to the Electronic Prize Showcase and select the prize of your choice. Prizes are available on a first-come basis. New winning numbers are selected weekly.

5. Go online Monday, Oct. 15, for the grand-prize drawing. Four grand-prize winners will be selected and announced online. Remember, connect time is **free** in the contest database. Good luck. May "Your Number Be Up!"

A. Precor 718e low-impact climber.

Built for performance of rugged welded steel. Patented ETA cylinders provide resistance and absorb shock to cushion every step. Retail value: \$399.

Compliments of Push Pedal Pull Fitness.
GO PPP

Frelonic exercise mat.

Lightweight, durable exercise mat (22-inch by 58-inch) folds down for easy carrying. Special EVA 1/2-inch thick, copolymer, closed-cell construction. Retail value: \$29.95.

Compliments of Push Pedal Pull Fitness.
GO PPP

B. Get Shorty by Elmore Leonard.

A thrilling new novel from the master of crime fiction. Retail value: \$18.95.

Compliments of Wordsworth Books.
GO WO

C. Pinpoint oxford cotton shirt.

Dress shirt in handsome stripes of burgundy or blue. Classic button-down collar, button cuffs. 100 percent imported pinpoint oxford cotton. Retail value: \$34.

Compliments of Paul Fredrick Shirts.
GO PFS

D. Complete tabletop aquarium.

Tabletop aquarium with filter, heater, gravel and all the materials necessary to start a fresh-water aquarium. Holds 9 gallons. Retail value: \$89.95.

Compliments of Hammacher Schlemmer.
GO HS

E. Andrew Tobias' Managing Your Money 3.0.

The most innovative personal finance package available for the Macintosh. Features six key programs: Remind, Money, Tax, Plan, Invest and Net Worth. Retail value: \$219.98.

Compliments of MacWarehouse. GO MW

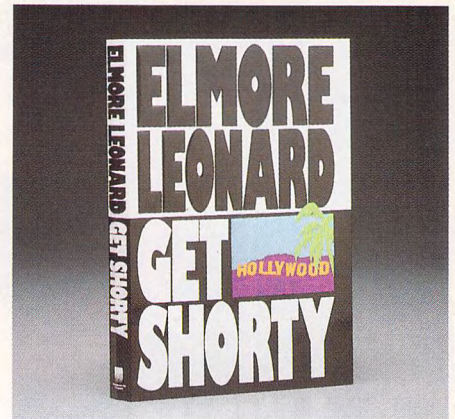
One dozen Accutech golf balls.

An Austad's exclusive! The most accurate ball in golf. Retail value: \$25.

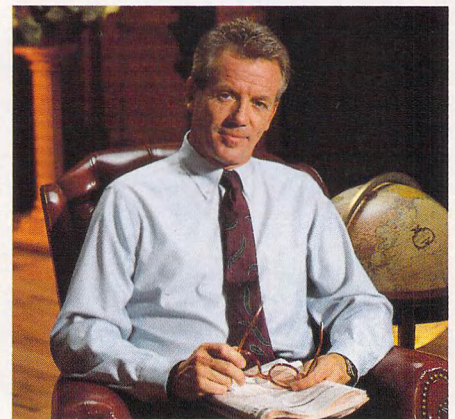
Compliments of Austad's Golf Shop. GO AU



A



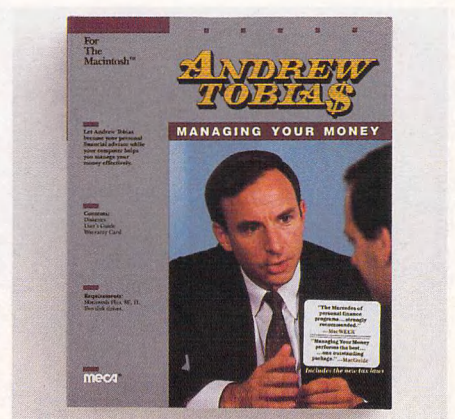
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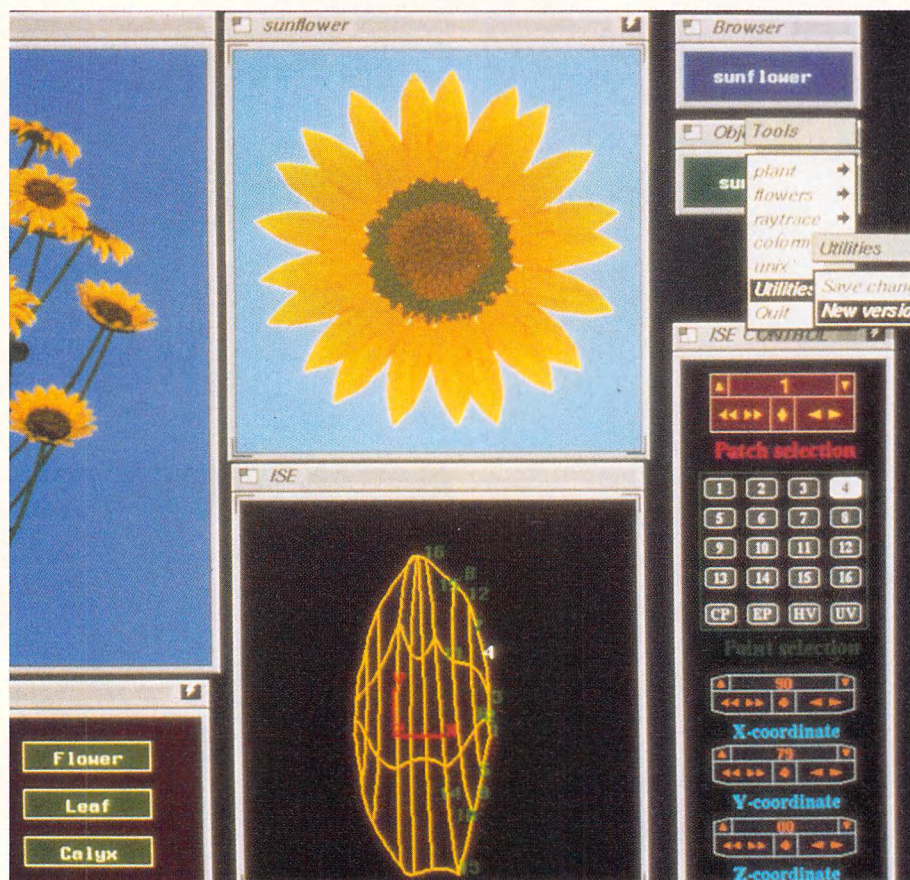
E

Win one of these great prizes...

- 1/4-bushel mixed navel oranges and ruby red grapefruit from Florida and Florida's Indian River, compliments of **Florida Fruit Shippers**.
- One pound of Colombia Supremo Coffee, compliments of **Coffee Anyone ???**.
- A Porsche car-care kit, compliments of **Price Motorcars**.
- Bausch & Lomb sunglasses, compliments of **Contact Lens Supply**.
- Diskette wallets for 5.25-inch and 3.5-inch diskettes, compliments of **Direct Micro**.
- Automobile trash stash, compliments of **Sharon Luggage and Gifts**.
- Microtech-2® electronic flea collars, compliments of **Court Pharmacy**.

- Wiz by Calcomp, compliments of **MacWarehouse**.
- Computer starter kit by Curtis, compliments of **Software Discounters of America**.
- Chocolate dog bones, compliments of **Some Things Special Unique Boutique**.
- Flight attendant's luggage cart, compliments of **Hammacher Schlemmer**.
- Used Car Buyer's Guide, compliments of **Used Car Price Guide**.
- \$25 online gift certificate, compliments of **Software Discounters of America**.
- Large tin of Gimmee Jimmy's cookies, compliments of **Gimmee Jimmy's Cookies**.
- Coffee saver, compliments of **Prevention Systems**.

- Executive CD binder, compliments of **The CD-ROM Store**.
- \$25 online gift certificate, compliments of **Walter Knoll Florist**.
- Car-lock defroster, compliments of **Hammacher Schlemmer**.
- Brazilian-style swimwear, compliments of **Some Things Special Unique Boutique**.
- One dozen roses, compliments of **Flower Stop**.
- The Calling Card, compliments of **Sharon Luggage and Gifts**.
- His and her CompuServe wrist watches, compliments of **CompuServe Store**.
- **CompuServe Made Easy** self-study package with \$20 usage credit, compliments of **CompuServe Store**, and much more!



A



B

Wordsworth Books features discounted books from many publishers.

Wordsworth Books now features books from a wide variety of publishers online. Best sellers. Classics. Travel guides. History. Science fiction. Business. Health. All books, except textbooks, are discounted. Save 10 percent on all paperbacks and 15 percent on all hardcovers. Cannot find what you are looking for? Wordsworth Books welcomes special orders. Request a free catalog, too! GO WO.

A. New! Springer-Verlag spotlights *The Algorithmic Beauty of Plants*.

Springer-Verlag, a new Mall merchant offering an array of computer science books, spotlights a compelling new title, *The Algorithmic Beauty of Plants*. Much talked about and in the news, this landmark book on the L-system puts more than 50 color plates of computer-generated plants—each biologically accurate and exceptionally beautiful—at your fingertips. (The L-system is to living plants, as the fractal is to natural landscapes.) The combined effort of a computer scientist and a theoretical biologist, this revolutionary book is published at \$39.95.

More than two dozen other titles also are showcased online, including *Programming in Prolog*, *Beauty of Fractals*, *Science of Fractal Images* and *Sun Technical Reference Library*.

Shop online. Request a free brochure, too. For high-end computer science books, GO SV.

Springer-Verlag's grand-opening, **free-connect** weekends are Sept. 1 and 2, Sept. 8 and 9, and Sept. 15 and 16.

B. Stuffed animals at Squishy Wishy Zoo.

Cuddly creatures for kids of all ages await you at Squishy Wishy Zoo. More than two dozen soft, squishy lovable friends from the animal kingdom are showcased online. Select from handsome teddy bears, shaggy dogs, silky, soft rabbits and other favorites. Squishy Wishy Zoo's animals are constructed of non-toxic materials and can be sponged clean and fluffed dry.

For children, consider Bedtime Bear, pictured here. This huggable, purewhite bear with the sleepy, black eyes is 12 inches tall, when sitting. Or, take home Jumbo Sitting Bear, also pictured here. This soft, pale-beige bear with the big, printed paws and fuzzy, brown nose is 20 inches tall. Browse online or request a free color flyer. Looking for a gift to welcome a new baby, a birthday offering for a favorite tyke or toddler, or a unique something for someone who is a bit under the weather? Stop by Squishy Wishy Zoo. Make a new friend today. GO SW.

Squishy Wishy Zoo's grand-opening, **free-connect** weekend is Sept. 8 and 9.

HOT TICKETS

New for the '90s.

A. My First Sony.

Amateur illustrator's Home Graphics Computer. This notebook-sized electronic sketchpad turns a television screen into a video easel on which children and adults can create original paintings, sketches and designs. Record your designs with a VCR for future viewing. Runs on four D batteries (included). The "etch-a-sketch" for the '90s! From Hammacher Schlemmer. GO HS Computer: \$139.50. VCR adapter: \$26.

B. CopyCam Camcorder Enhancer.

Make video copies that rival first-generation videos. Only CopyCam makes true changes to the edge definition and detail of your second-generation video copies. Also includes a unique AudioZoom feature. Takes only minutes to install. Audio/video patch cable included. From Heathkit. GO HTH Fully assembled: \$59.95.

DOLLARS OFF

Super savings and sales.

Southwestern Bell Freedom Phone®.

Cordless phone gives you more freedom with an incredible 1,000 feet range—up to eight football fields!

From Sears. GO SEARS
Sale price: \$99.99.

C. Salt check.

Electronic salt indicator. Thermometer-sized probe senses salt content in food in seconds and displays the percentage.

From Court Pharmacy. GO RX
List price: \$30.95.
Sale price: \$21.95.

Softmate professional contact lens cleaning unit.

Kit includes 6 ounces of Softmate aerosol saline spray, contact lens cleaning unit, Hydro-Mat II lens washer, instructions and warranty. Hurry! September only.

From Contact Lens Supply. GO CL
List price: \$35.
Sale price: \$18.

FOR MEMBERS ONLY

Exceptional items.

D. Mysteries of the Unknown.

ESP. Stonehenge. Reincarnation. *The Mysteries of the Unknown* series lets you weigh all of the evidence and decide. Examine the first volume, *Mystic Places*, for free. Keep it and pay only \$14.99 plus shipping and handling. Your satisfaction is guaranteed.

From Time-Life Books, Music and Videos. GO TL



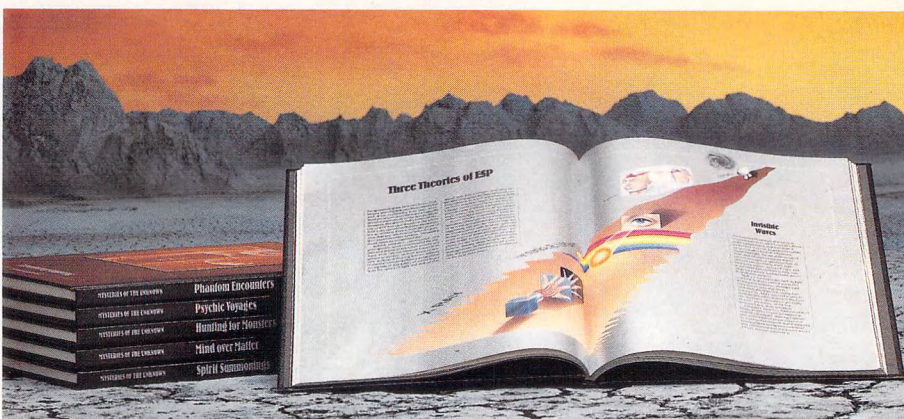
A



B



C



D



A. Two silk ties in a leather-look case.
Elegant John Henry 100 percent silk ties feature a classic circle pattern on red and navy backgrounds. Enclosed in a leather-look case designed to travel light and keep your neckware wrinkle-free. Case features individual metal holders and two-side elastic straps to secure up to six ties; black leather-look cover and velvet inner lining. 3-inch by 4-inch inside zipper pocket provides a place for tie tacks or other small items. Case has 5.5-inch width by 15-inch length.

From Spiegel. GO SGL
List price: \$99.
Sale price: \$69.



B. Sweater weather.
Brooks Brothers celebrates sweater weather. An array of sweaters, suitable for fall foliage treks, tailgate parties and long weekends in the country, are featured online. Select from lambswool cardigans and V-necks, cotton argyles and, pictured here, cotton cable crew necks.

From Brooks Brothers. GO BR
\$95.



C. Crabtree & Evelyn travel assortments.
Three travel assortments of toiletries. Select the bath gel assortment, a set of 10 assorted travel-size bottles containing pure oils that nourish the skin while you bathe; the shampoo assortment, an assortment of 10 fragrant shampoos; or the triple mild soap assortment, an assortment of 16 travel-size soaps.

From Crabtree & Evelyn. GO CR
Each assortment: \$15.

D. Free gifts with paid subscriptions.
Many magazines offer free gifts with a paid subscription. Currently featured online: Free *Prevention's Guide to Cutting Cholesterol* from *Prevention* ... Free *50 Beautiful Women Celebrity Photo Collection* from *Playboy* ... Five free issues from *Sports Illustrated* ... Free *National Parks Guide* plus map from *National Parks Magazine*. More than 20 offers listed online.

From Publishers Clearing House. GO PUB

Sunglasses with style.
Black Wayfarer with gray lenses (\$39), Large Metal with gold/gray lenses (\$39) and Large Metal II with gold/gray lenses (\$45).

From Contact Lens Supply. GO CL



Guide to Oracle.®
Finally a concise guide to applications developed using Oracle! Written for programmers, applications programmers and consultants who work with Oracle software and need a focused, coherent set of concepts and techniques for applications development, including SQL*Report, SQL*Menu and SQL*Forms. Includes a section on Version 6. The authors, Timothy Hoecst, Nicole Melander and Christopher Charis, are all employed by Oracle Corp.

From McGraw-Hill Books Co. GO MH

A. CD-ROMs from Microsoft.

Microsoft is committed to the advancement of CD-ROM technology. Select from five reference products in CD-ROM format: Microsoft Bookshelf (\$229), Microsoft Office (\$895), Microsoft Programmer's Library (\$369), Microsoft Small Business Consultant (\$120) and Microsoft Stat Pack (\$94).

From The CD-ROM Store. GO RS

B. Nylon diskette wallets.

Made of sturdy nylon. 5.25-inch diskette wallet holds 24 diskettes. Available in navy, burgundy or gray (\$11.95). Also, 3.5-inch diskette wallets. Small holds nine (\$7.95) or large holds 20 (\$11.95). Plastic library cases and disk holders. Low prices on diskettes.

From Direct Micro. GO DM

C. Math Blaster Plus by Davidson.

Students, grades one through six, build math skills in addition, subtraction, multiplication, division, fractions, decimals and percentages. More than 750 math problems. Available for the IBM (\$30), Atari ST (\$25), Apple II and IIs (\$32), and Commodore 64 (\$19).

From Software Discounters of America. GO SDA

D. Computer basics.

Get an education in software. Walden Computer Books offers a complete line of books for beginners, including *Learn BASIC Now* from Microsoft Press (\$39.95), *The First Book of WordPerfect 5.1* from Howard W. Sams (\$14.95), *Fast Access Lotus 1-2-3 Release 2.2* from Brady Books (\$18.95) and *Que's Computer User's Dictionary* from Que (\$9.95). Shop free of connect-time fees every weekend!

From Walden Computer Books. GO WB

E. RCA 20-inch tabletop TV.

Features include 24-function remote control, on-screen time, channel adjustments and status display, even a sleep timer.

From Sears. GO SEARS
\$299.85.

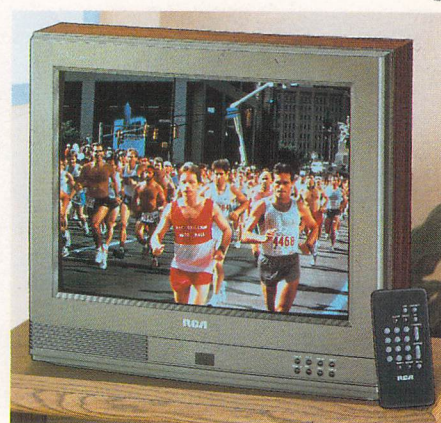
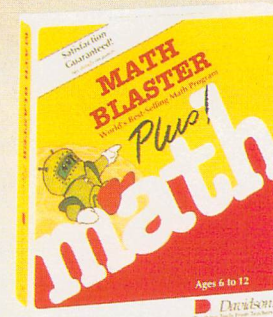
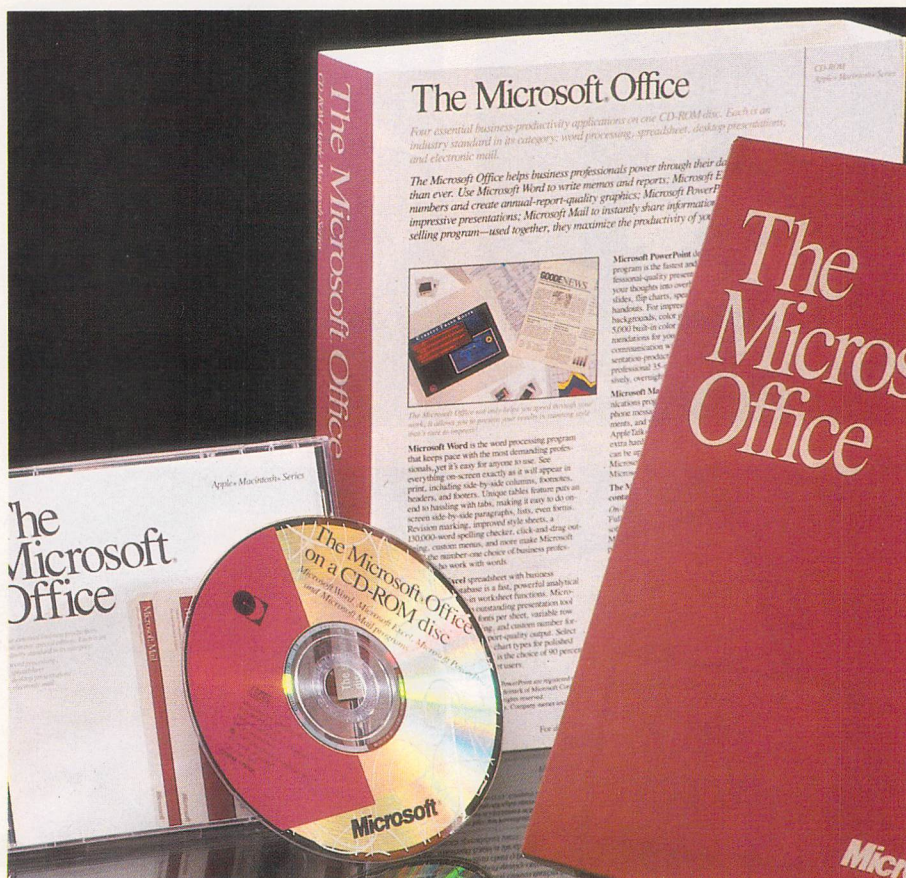
Wheeler bag.

The ideal bag for travelers who always come back with more than they started with! Four-position expandable bag is 18 inches high when closed. Fully opened, it gives you 30 inches of storage space. Easy-rolling wheels mounted on a sturdy, molded plastic bottom make getting through airports a breeze.

From Sharon Luggage and Gifts. GO SL
Sale price: \$49.99.

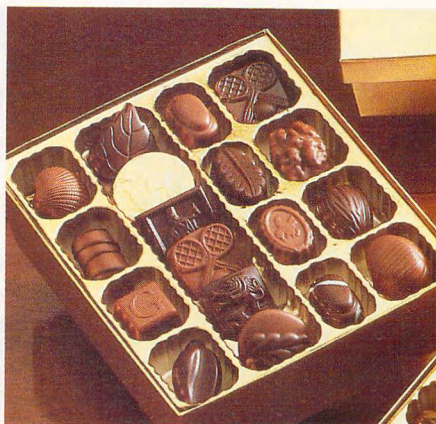
Find It Fast

Type 99 after any Mall merchant's GO command (i.e., GO CE99), and zip to a list of the merchant's featured products.





A



B



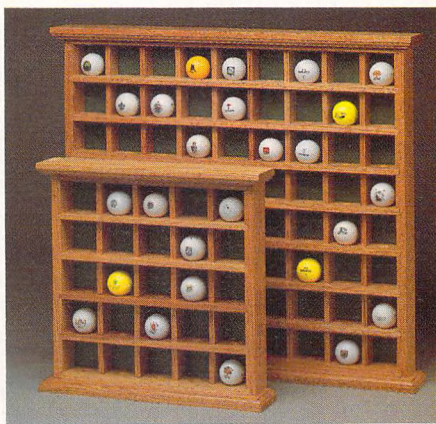
C



D



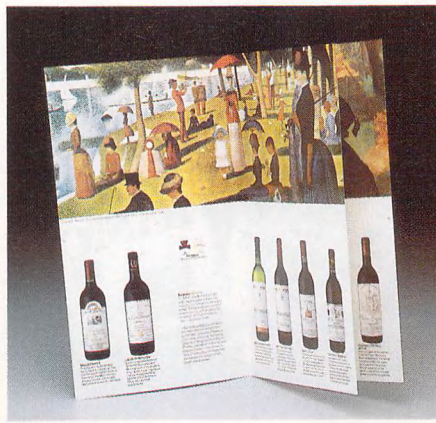
E



F



G



H

A. Great greenery for grandparents.

Grandparents Day is Sunday, Sept. 9. Salute yours with a gift from Walter Knoll Florist. Select an FTD grandparents bouquet (\$29.95), a remember her vase (\$19.95) or a grand basket of plants (\$29.95 and \$39.95). From Walter Knoll Florist. GO WK

B. The original Godiva gold ballotin.

An elegant gold ballotin, featuring a sumptuous assortment of legendary milk and dark chocolates, every piece artfully shaped and luxuriously filled. 1/2-pound ballotin.

From Godiva Chocolatier. GO GC \$12.50.

C. Fun fake doctorate degrees.

Give a friend a Ph.D. in the field best suited to his or her talents. Consider a Ph.D. in procrastination ... disorganization ... soap operas ... dieting ... nagging! Each professionally printed diploma has the recipient's name, "degree" and date—hand-lettered by a calligrapher. Framed and ready to hang.

From Some Things Special Unique Boutique. GO SP \$29.95 each.

D. Seafood soup six-pack.

Bounty from the sea for the land-locked. One can each of Manhattan clam chowder, lobster bisque, oyster stew and crab soup—plus two cans of New England clam chowder (\$18.95).

From Pepperidge Farm. GO PF

E. Dog breed sweatshirts.

Long-sleeved, crew neck sweatshirts with a picture of your favorite breed of dog on the front. Available for most breeds, from Pekingese to Doberman!

From Tall Tails. GO TT \$24.95.

F. Walls of fame.

Keep your hole-in-one balls, favorite logo balls or winning tourney balls in these handsome 72- and 25-hole wall of fame displays, \$79 and \$49 respectively. Carefully crafted of handsome solid oak, backed with green velvet, each ball sits in a precision-routed depression that holds it in place. (Balls not included!)

From Austad's Golf Shop. GO AU

G. Official NFL sportswear.

Support your favorite team! Sport official NFL sportswear, including T-shirts, jerseys, caps, sweatshirts and sweatpants. Pictured here, NFL crew neck sweatshirt (\$24.99).

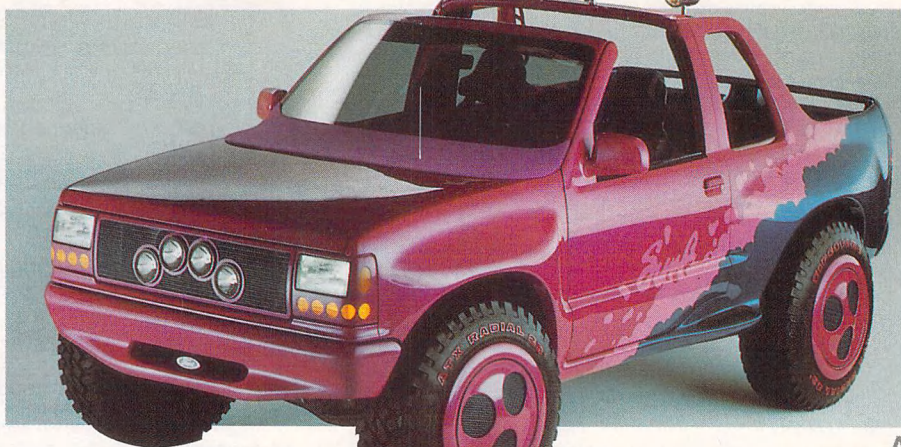
From The Sport Source. GO SS

H. A taste of France.

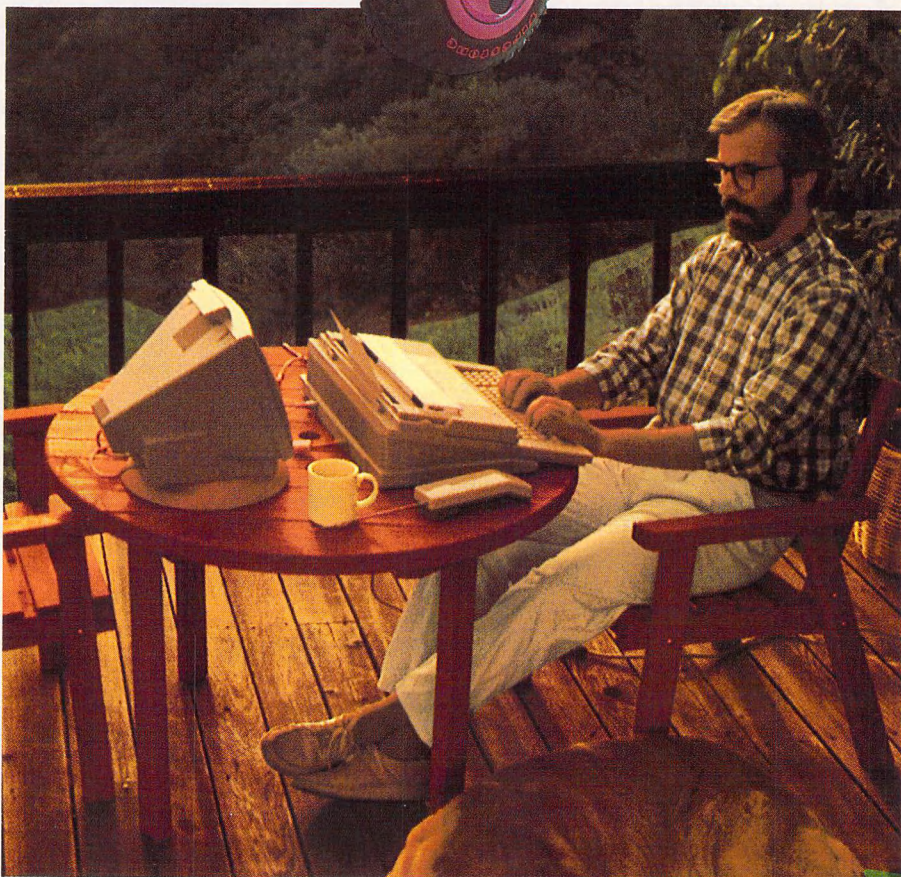
Free brochures on French foods and wines. Featured products include Le Slim Cow cheese, Pateisserie Poirault, Maison Plouzeau and Fils wines from the Loire Valley. Also, food and wines from France, a full-color brochure brimming with taste temptations. Includes a primer on French wines. All free!

From France Info. GO FI

A. 1991 Ford models make debut online. Mark your calendar on Sunday, Sept. 16, for Ford Motor Co.'s online introduction of its 1991 product lineup in the Convention Center (GO CONVENTION). Get answers to your questions on the spot. Watch the Ford Motor Co. billboard for more details. After the seminar, check into the redesigned Ford Electronic Showroom. Find new model information faster. Pictured here, Ford's new concept vehicle, the Surf, is designed for fun at the beach. Visit the Ford Electronic Showroom **free** of connect time fees on Sept. 15 and 16. From Ford Motor Co. GO FORD



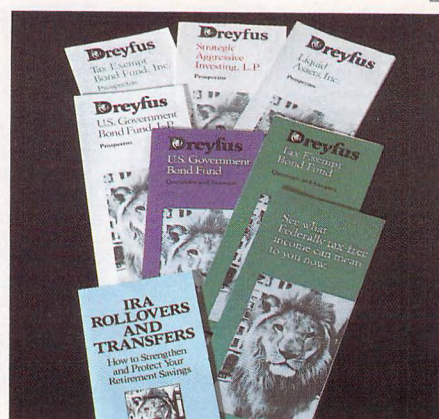
B. AT&T Home-Office Resources Online opens in The Mall. If you work from home or have a small business, check out the information, products and services offered at AT&T Home-Office Resources Online. Business techniques, products and services, a monthly minibusiness course and a Home-Office Contest for **free** connect time on CompuServe, are featured. Find the AT&T Phone Center nearest you. From AT&T Home-Office Resources Online. GO ATT



Take care of business, toll-free with AT&T. Office equipment and supplies. Billing services. Collection agencies. Convention information bureaus. Employment and recruiting services. Translators. Toll-free sources for virtually any business need are at your fingertips with the AT&T Toll-Free 800 Directory. Select "Search by Category." Hundreds of toll-free listings for "Business Equipment and Supplies" and "Business Services" are at your fingertips. Remember, connect-time is always **free** at AT&T Toll-Free 800 Directory. From AT&T Toll-Free 800 Directory. GO ATT

C. Free solar calculator from TRW Credentials. Enroll in TRW Credentials service online and receive a free solar calculator with your membership. This sleek, credit-card-sized calculator looks like your Credentials membership card and never needs batteries! Guard your credit status. Enroll today. From TRW Credentials. GO CRE

D. Free Dreyfus investment prospectuses. Request free prospectuses on a variety of mutual funds, designed to meet your investment goals. Select funds for long-term growth, growth and income, income only or tax-free income. From Dreyfus. GO DR



Find It Fast

Type 99 after any Mall merchant's GO command (i.e., GO CE99), and zip to a list of the merchant's featured products.

C

D

The Electronic Mall Directory is designed to assist you with information about each of our merchants. All entries contain three lines as follows:

Merchant Name [GO Command]

Description of products/services
Billing options Countries served

An example entry would look like this:

ABC NOVELTY STORE [ABC]

Books, knick-knacks, collectibles
VI/MC/AM/CSH US/CD/JP/OT

You may visit the ABC NOVELTY STORE by using the quick reference word (GO ABC) at any CompuServe Information Service ! prompt.

Billing options codes indicate the methods of payment the merchant accepts as follows:

VI - VISA	SC - Merchant's own store card
MC - MasterCard	COD - COD
AM - American Express	CSH - Cash, check, money order
DI - Diners Club	DB - Direct bill
DIS - Discover Card	NA - No billing applies (Advertiser only)

Country codes indicate the countries the merchant is able to ship to as follows:

US - United States	JP - Japan
CD - Canada	OT - Other foreign countries

Catalog options for merchants offering catalogs are indicated by the following codes.

- Offers free print catalog.
- Credits cost of print catalog toward purchase.
- * Denotes electronic order form for use with print catalog.
- † Denotes new merchant.

A

AIR FRANCE [AF] ■
Information on tours, sights and scenes.
VI/MC US/CD

ALAMO RENT A CAR [AL]
Information on rates, benefits, locations.
NA US/OT

ALASKA GENERAL STORE [AK] ■ *
Alaskan jewelry, ivory, gold, gifts.
VI/MC/AM/DIS US/CD/JP/OT

ARTWEAR/OUTWEST [AO] ■ *
Hand-designed shirts and jewelry.
VI/MC/AM US/CD/JP/OT

AT&T HOME-OFFICE RESOURCES ONLINE [ATT]
Technology that brings success home.
NA US/CD/JP/OT

AT&T TOLL-FREE 800 DIRECTORY [ATT]
Thousands of toll-free numbers always **free** of connect-time fees.
VI/MC US

AUSTAD'S GOLF SHOP [AU] ■ *
Golfing accessories, apparel, gifts.
VI/MC/AM/DIS US

AUTOQUOT-R [AQ]
Vehicle price quotation service.
VI/MC/AM US

B

BRADY BOOKS [BB]
PC books, utilities, software.
VI/MC US/CD

BROOKS BROTHERS [BR] ■ *
Fine men's and ladies' apparel and accessories
VI/MC/AM/DI/SC US/CD/JP/OT

BUICK MAGAZINE [BU] ■
Free car information, customer service.

C

CD CLUB [CD] *
Compact disk ordering club.
DB US

CD-ROM STORE, THE [RS]
CD-ROM drives and accessories.
VI/MC US/CD/JP/OT

CDA COMPUTER SALES [CDA] ■ *
Hardware, printers and accessories.
VI/MC/AM/DIS/CSH US/CD/JP/OT

CHECKFREE CORP. [CF]
Electronic banking and bill payment service.
VI/MC/AM US

CHEF'S CATALOG, THE [CC] ■ *
Gourmet cookware and kitchen accessories.
VI/MC/AM/DIS US

CIGNA INSURANCE [CI]
Free personalized auto insurance quotes.
NA US

CLASSICAL MUSIC CLUB [CM] *
Classical music ordering club.
DB US

COFFEE ANYONE ???™ [COF]
Original computer coffeehouse, gifts.
VI/MC US/CD/JP/OT

COMPUSEVE STORE [ORDER]
Merchandise, literature and software.

COMPUTER EXPRESS [CE] *
PC software, hardware, accessories.
VI/MC US/CD/JP/OT

COMPUTER SHOPPER [CS]
Computer product bargains and information magazine.
VI/MC/DB US/CD

CONTACT LENS SUPPLY [CL]
Fast delivery of replacement lenses and more.
VI/MC/CSH US

CORNER VIDEO [CV]
Videos, laser disks and accessories.
VI/MC/AM US/CD/JP

COURT PHARMACY [RX]
Full-service pharmacy and gift shop.
VI/MC/AM/DI/SC/CD US/CD/JP/OT

CRABTREE & EVELYN [CR] *
Beauty products, sweets, gift packs.
VI/MC/AM US/CD

CREATE-A-BOOK [CK]
Fun books that make your child a star.
VI/MC US

D

DIRECT MICRO [DM] *
Discount computer disks and supplies.
VI/MC/COD US/CD/JP/OT

DISCOUNT MUSIC SUPPLY [DMS] ■ *
Guitar effects and accessories.
VI/MC/COD US/CD/JP/OT

DOW JONES & CO. [DJ]
Business and financial periodicals.
VI/MC/AM US/CD

DREYFUS CORP. [DR]
Mutual funds and investment information.
VI US

E

EDUCATIONAL ADVISORY SERVICES [EA]
Financial aid search service.
VI/MC US

EXECUTIVE STAMPER [EX] ■ *
Rubber stamps, engraved gifts.
VI/MC/AM/DI/DIS US/CD/JP/OT

F

FLORIDA FRUIT SHIPPERS [FFS] ■
Premium fruit and gift shippers.
VI/MC/AM US/CD/JP/OT

FLOWER STOP [FS] ■
Flower and gift delivery service.
VI/MC/AM/DI/DIS US

FORD MOTOR CO. [FORD] ■
Car and truck information, dealer locator.
VI/MC US/CD

FRANCE INFO USA [FI]
A kiosk of information about France.
VI/MC/AM/COD/DB US/CD/JP/OT

G

GIMMEE JIMMY'S COOKIES [GIM]
Gourmet cookies, custom orders.
VI/MC/AM/DIS US/CD/JP/OT

GODIVA CHOCOLATIER [GC] ■ *
Gourmet chocolate and gifts.
VI/MC/AM US

A GUIDE TO INCORPORATING [INC]
Nationwide incorporating service.
NA US

H

H&R BLOCK [HRB]
The income tax people.
NA US

HAMMACHER SCHLEMMER [HS] ■ *
Gifts, unique and unusual products.
VI/MC/AM/DI US/CD/JP/OT

HEATHKIT [HTH] ■ *
Build-it-yourself electronic kits, etc.
VI/MC/AM/SC US/CD

HELEN HUTCHLEYS LA DOLCERIA [HH] ■ *
Chocolate, nuts and candy.
VI/MC/AM US

HOBBY CENTER TOYS [HC]
Hobbies, trains, dolls and games.
VI/MC/AM/DI/DIS/CSH US/CD/JP

J

JCPENNEY [JCP] ■ *
Apparel, furnishings, electronics.
VI/MC/AM/DI/DIS/SC US

L

LASER'S EDGE, THE [LE]
Your one-stop laser video store.
VI/MC/AM/DIS US/CD/JP/OT

M

MACFRIENDS [MF] ■ *
Macintosh hardware and products.
VI/MC/AM/DIS/COD US/CD/JP/OT

MACUSER [MC]
Save 58 percent and receive free gift.
VI/MC/DB US/CD

MACWAREHOUSE [MW] ■ *
Macintosh hardware, software and equipment.
VI/MC/COD US/CD/JP/OT

MARYMAC INDUSTRIES [MM]
Official Radio Shack dealer.
VI/MC/AM/DIS/CSH US/CD/JP

MAX ULE DISCOUNT BROKERAGE [TKR]
Brokerage and financial information retrieval.
CSH US/CD/JP/OT

MCGRAW-HILL BOOK CO. [MH] ■ *
Business, finance and computer books.
VI/MC US/CD/JP

MENTOR TECHNOLOGIES [MN]
Authorized CompuServe training.
VI/MC US

MICROWAREHOUSE [MCW] ■ *
Hardware, software and equipment for PCs.
VI/MC/COD US/CD/JP/OT

MILTROBE ELECTRONICS [MI] ■ *
Consumer electronics, tools, gifts.
VI/MC/CSH US/CD

MONEY'S FINANCIAL MARKET [MFM]
Personal finance tools from Money.
VI/MC/AM US

MUSEUM OF FINE ARTS, BOSTON [FA] ■ *
Gifts and classic reproductions.
VI/MC/AM US/CD/JP/OT

MUSIC ALLEY ONLINE [MAO]
Mixers, synthesizers, keyboards, etc.
VI/MC/COD US/CD

N

NEWSNET [NN]
Specialized business news database service.
NA US/CD

NISSAN MOTOR CORP. IN THE USA [NI] ■
Nissan cars, trucks, accessories.
VI/MC US

O

OCEAN ISLE SOFTWARE [OI]
Neurobics: PC adventures for your mind.
VI/MC US

OFFICIAL AIRLINE GUIDES [OA] ■
Information on online services; air and hotel guides.
VI/MC US/CD

ONLINE STORE [OS]
Computer accessories, hardware.
VI/MC/AM/DI US

P

PAUL FREDRICK SHIRTS CO. [PFS]
Classic shirts from the tailor to you.

PC/COMPUTING [PCC]
Save 58 percent and receive free gift.
VI/MC/DB US/CD

PC MAGAZINE [PM]
Save 54 percent and receive free gift.
VI/MC/DB US/CD

PENNY WISE OFFICE PRODUCTS [PW]
Full range of brand-name office products.

PEPPERIDGE FARM [PF] ■ *
Gourmet cookies, candies, gifts, etc.
VI/MC/AM/DI/DIS US

PREVENTION SYSTEMS [PS] ■ *
Affordable, healthful diet supplements.
VI/MC/AM/CSH US/CD

PRICE MOTORCARS [PRC]
Auto accessories and gifts of distinction.
VI/MC/AM/DIS US/CD/JP

PROGRAMS PLUS [PP]
Apple/Macintosh software and accessories.
VI/MC US/CD/JP/OT

PUBLISHERS CLEARING HOUSE [PUB]
Magazine subscriptions at low prices.
VI/MC US

PUSH PEDAL PULL FITNESS [PPP] ■ *
Professional home exercise equipment.
VI/MC/AM/DIS US

RADIO DOCTORS [RD] ■ *
Music on CD and cassette.
VI/MC/AM/DIS US

RECORD AND TAPE CLUB [RT] ■ *
Record and tape ordering club.
DB US

RENT MOTHER NATURE [RM] ■ *
Nature's gifts, leasing programs, etc.
VI/MC/AM US/OT

SAFEWARE COMPUTER INSURANCE [SAF] ■
High-tech equipment insurance.
VI/MC US/CD/JP/OT

SEARS [SEARS] ■ *†
Electronics, home-office supplies, Nintendo and videos.
DIS/SC US

SECURITY PACIFIC [SEC] †
Private reserve line of credit.
US

SHARON LUGGAGE AND GIFTS [SL] ■ *
Luggage, fine leather goods and unique gifts.
VI/MC/AM US/CD/JP/OT

SHOPPERS ADVANTAGE CLUB [SAC]
Discount shopping club.
VI/MC US

SIMON DAVID [SIM] ■ *
Gourmet foods, meats from Texas.
VI/MC/AM/DIS US/CD/JP/OT

SMALL COMPUTER BOOK CLUB [BK]
Quality computer books.
DB US/CD

SOFTWARE DISCOUNTERS OF AMERICA [SDA]
Software for a wide range of computers.
VI/MC US/CD/JP/OT

SOME THINGS SPECIAL UNIQUE BOUTIQUE [SP] ■ *
Unique gifts and computing accessories.
VI/MC/AM/DIS US/CD

SPIEGEL [SGL] ■ *
Fashion, gifts and electronics.
VI/MC/AM/SC US

SPRINGER-VERLAG [SV] ■ *†
An array of computing and programming books. New! GO SV for details.
VI/MC/AM/DIS US/CD

SPORT SOURCE, THE [SS] ■ *
Sporting goods, apparel, accessories.
VI/MC US/CD/JP/OT

SQUISHY WISHY ZOO [SW] †
Lovable, huggable stuffed animals. New! GO SW for details.

STATIONERY CENTER, THE [SC] ■ *
Office supplies, furniture, etc.
VI/MC/AM/DIS/COD US/CD/JP

TALL TAILS [TT]
Supplies and gifts for your pet.
VI/MC/COD US/CD/JP/OT

TIME-LIFE BOOKS, MUSIC AND VIDEOS [TL]
Books, music and video series.
VI/MC/AM US

TRW CREDENTIALS [CRE]
Know the details of your credit status.
VI/MC/AM US

TSR GAMES SHOPPE [TSR] ■ *
Adventure, fantasy games and accessories.
VI/MC US/CD/JP/OT

USA TODAY [UT]
Subscribe to the nation's newspaper.
VI/MC/AM US

USED CAR PRICE GUIDE [UC]
Wholesale/retail prices from 1978.
VI/MC US/CD

WALDEN COMPUTER BOOKS [WB]
Computer books and accessories.
VI/MC/AM US/CD/JP/OT

WALTER KNOLL FLORIST [WK]
Plants, flowers and gifts via FTD.
VI/MC/AM/DI/DIS/DB US/CD/JP/OT

WILLIAMS & EEDEN GARDEN CENTER [WE] ■ *
Flowers, plants and garden tools.
VI/MC US/CD

WORDSWORTH BOOKS [WO] ■ *
Books, new titles, catalogs.
VI/MC/AM/DIS US/CD/JP/OT

YES! BOOKS AND VIDEOS [YB] ■ *
A unique collection of books and videos.
VI/MC/AM US/CD/JP/OT

APPAREL/ACCESSORIES

AO Artwear/Outwest ■ *
AU Austad's Golf Shop ■ *
BR Brooks Brothers ■ *
JCP JCPenney ■ *
PFS Paul Fredrick Shirts Co. ■ *
SL Sharon Luggage and Gifts ■ *
SGL Spiegel ■ *
SS The Sport Source ■ *

ARTS/MUSIC/VIDEO

CD CD Club *
CM Classical Music Club
CV Corner Video
DMS Discount Music Supply ■ *
LE The Laser's Edge
MAO Music Alley Online
FA Museum of Fine Arts, Boston ■ *
RD Radio Doctors ■ *
RT Record and Tape Club *
SEARS Sears ■ *•†
TL Time-Life Books, Music and Videos
YB YES! Books and Videos ■ *

AUTO

AL Alamo Rent A Car
AQ Autoquot-R
BU Buick Magazine ■
CI CIGNA Insurance
FORD Ford Motor Co. ■
NI Nissan Motor Corp. in the USA ■

PRC Price Motorcars
UC Used Car Price Guide

BOOKS/PERIODICALS

BB Brady Books
CS Computer Shopper
CK Create-A-Book
DJ Dow Jones & Co.
MH McGraw-Hill Book Co. ■ *
MC MacUser
MFM Money's Financial Market
PCC PC/Computing
PM PC Magazine
PUB Publishers Clearing House

BK Small Computer Book Club
SV Springer-Verlag ■ *†
TL Time-Life Books, Music and Videos
UT USA Today
WB Walden Computer Books
WO Wordsworth ■ *

BUSINESS/FINANCE

ATT AT&T Home-Office Resources Online
ATT AT&T Toll-Free 800 Directory
CF CheckFree Corp.
DR Dreyfus Corp.
DJ Dow Jones & Co.
INC A Guide to Incorporating
HRB H&R Block
TKR Max Ule Discount Brokerage
MFM Money's Financial Market
NN NewsNet
SEC Security Pacific †
CRE TRW Credentials

CLUBS/MEMBERSHIPS

CM Classical Music Club *
CD CD Club *
RT Record and Tape Club *
SAC Shoppers Advantage Club *
BK Small Computer Book Club
TL Time-Life Books, Music and Videos

COMPUTING

CDA CDA Computer Sales ■ *
RS The CD-ROM Store
ORD CompuServe Store
CE Computer Express *
CS Computer Shopper
DM Direct Micro *
HTH Heathkit ■ *
MF MacFriends ■ *
MC MacUser
MW MacWarehouse ■ *
MM Marymac Industries
MCW MicroWarehouse ■ *
OI Ocean Isle Software
OS Online Store
PCC PC/Computing

PM PC Magazine
PP Programs Plus
SAF Safeware Computer Insurance ■
SDA Software Discounters of America
SP Some Things Special Unique Boutique ■ *
SV Springer-Verlag ■ *†
WB Walden Computer Books ■ *

GIFTS/FLOWERS/GOURMET FOODS

AK Alaska General Store ■ *
ATT AT&T Toll-Free 800 Directory
CC The Chef's Catalog ■ *
COF Coffee Anyone™ ???
CK Create-A-Book
FFS Florida Fruit Shippers ■
FS Flower Stop ■
GIM Gimme Jimmy's Cookies
GC Godiva Chocolatier ■ *
HS Hammacher Schlemmer ■ *
HH Helen Hutchleys La Dolceria ■ *
FA Museum of Fine Arts, Boston ■ *
PF Pepperidge Farm ■ *
RM Rent Mother Nature ■ *
SL Sharon Luggage and Gifts ■ *
SIM Simon David ■ *
SP Some Things Special Unique Boutique ■ *
SW Squishy Wishy Zoo †
WK Walter Knoll Florist
WE Williams & Eeden Garden Center ■ *

HEALTH/BEAUTY

CL Contact Lens Supply
RX Court Pharmacy
CR Crabtree & Evelyn ■ *
PS Prevention Systems ■ *
PPP Push Pedal Pull Fitness ■ *

HOBBIES/TOYS/PETS

HC Hobby Center Toys
SEARS Sears ■ *•†
SW Squishy Wishy Zoo †

TT Tall Tails
TSR TSR Games Shoppe ■ *
WE Williams & Eeden Garden Center ■ *

INFORMATION/SERVICES

ATT AT&T Home-Office Resources Online
ATT AT&T Toll-Free 800 Directory
CI CIGNA Insurance
ORD CompuServe Store
EA Educational Advisory Services
MN Mentor Technologies
SAF Safeware Computer Insurance ■
CRE TRW Credentials

MERCHANDISE/ELECTRONICS

BR Brooks Brothers ■ *
CC The Chef's Catalog ■ *
ORD CompuServe Store
RX Court Pharmacy
HS Hammacher Schlemmer ■ *
HTH Heathkit ■ *
JCP JCPenney ■ *
MI Miltrobe Electronics ■ *
SEARS Sears ■ *•†
SAC Shoppers Advantage Club
SGL Spiegel ■ *

OFFICE SUPPLIES

DM Direct Micro *
EX Executive Stammer ■ *
PW Penny Wise Office Products
SEARS Sears ■ *•†
SC The Stationery Center ■ *

SPORTS/LEISURE

AU Austad's Golf Shop ■ *
HS Hammacher Schlemmer ■ *
PPP Push Pedal Pull Fitness ■ *
SS The Sport Source ■ *

TRAVEL/VACATIONS

AF Air France ■
ATT AT&T Toll-Free 800 Directory
FI France Info USA
OA Official Airline Guides ■
SL Sharon Luggage and Gifts ■ *

Merchants by Department

Remember, never a connect-time fee:

AT&T Toll-Free 800 Directory. GO ATT

Also, shop **free** of connect-time fees every day in September at CDA Computer Sales. GO CDA

Free shopping weekends.

Shop **free** of connect-time fees from 12:01 a.m. Saturday to 11:59 p.m. Sunday at the following merchants on these weekends:

September 1 and 2.

Brooks Brothers. GO BR
McGraw-Hill Book Co. GO MH
Springer-Verlag. GO SV
Time Life Books, Music and Videos. GO TL
Walden Computer Books. GO WB

Flash! September 4 to 11 and 15 to 30.

More than three weeks of **free** connect time at JCPenney. GO JCP

September 8 and 9.

CIGNA Insurance. GO CI
Coffee Anyone ??? GO COF
Contact Lens Supply. GO CL
Max Ule Tickerscreen. GO TKR
Museum of Fine Arts, Boston. GO FA
NewsNet. GO NN
Publishers Clearing House. GO PUB
Software Discounters of America. GO SDA
Springer-Verlag. GO SV
Squishy Wishy Zoo. GO SW
Walden Computer Books. GO WB

Flash! September 10 through 16.

A full week of **free** connect time at Shoppers Advantage Club. GO SAC

Flash! September 15 through 22.

A full week of **free** connect time at Sears. GO SEARS

September 15 and 16.

Direct Micro. GO DM
Ford Motor Co. GO FORD
MacFriends. GO MF
Some Things Special Unique Boutique. GO SP
Springer-Verlag. GO SV
Walden Computer Books. GO WB

Flash! September 17 through 23.

A full week of **free** connect time at The Chef's Catalog. GO CC

September 22 and 23.

AT&T Home-Office Resources Online. GO ATT
The Chef's Catalog. GO CC
CIGNA Insurance. GO CI
Crabtree & Evelyn. GO CR
Walden Computer Books. GO WB

September 29 and 30.

Austad's Golf Shop. GO AU
Crabtree & Evelyn. GO CR
Heathkit. GO HTH
Walden Computer Books. GO WB

October 6 and 7.

Americana Clothing. GO AC
Brooks Brothers. GO BR
Coffee Anyone???. GO COF
Crabtree & Evelyn. GO CR
Ford Motor Co. GO FORD
Heathkit. GO HTH
McGraw-Hill Book Co. GO MH
Software Discounters of America. GO SDA
Time Life Books, Music and Videos. GO TL
Walden Computer Books. GO WB

Browse Your Number's Up!

connect-free Sept. 3 to Oct. 31.

Sears, your source for Nintendo.

Shop Sears online for the latest Nintendo games, including 45 fantastic cartridges, such as *Tetris*, *Ninja Gaiden*, *Godzilla* and *Bad Dudes*. Priced from \$19.99 to \$49.99. From Sears. GO SEARS

All-new second edition MicroWarehouse catalog ... for free.

Hot off the presses, it's the all-new second edition MicroWarehouse catalog. More than 1,200 personal computer products, plus answers to your questions about compatibility, copy protection and features. From MicroWarehouse. GO MCW

No-obligation auto insurance quotes from CIGNA.

Are you getting the best deal on your auto insurance? Request a free, no-obligation quote from CIGNA Insurance online and find out! Receive a free year of CIGNA Road and Travel Club membership just for asking. From CIGNA. GO CI

CompuServe digital desk clock.

Lucite clock calendar for your desk. Shop **free** with never a connect-time fee at CompuServe Store.

From CompuServe Store. GO ORDER
Sale price: \$4.95.

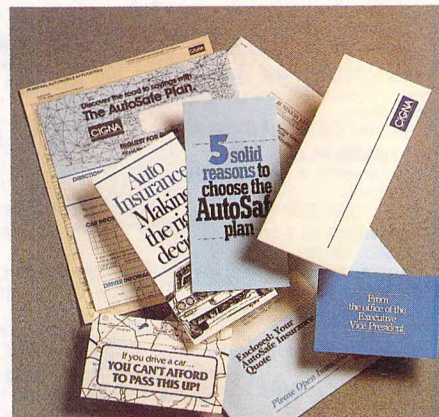
15 percent off coffee sale.

Announcing the Coffee Anyone ??? 15 percent off sale. A different coffee is featured each month—at 15 percent off! This month's brew is Italian Roast.

From Coffee Anyone ??? GO COF
Sale price: \$6.12 per pound.

Coming in October ...

Just in time for holiday shopping, an avalanche of catalogs you can order online. Plus Halloween specials and grand openings at Security Pacific, Americana Clothing and Breton Harbor Baskets.



Free auto quote from CIGNA. GO CI



CompuServe digital desk clock. GO ORDER



Coffee Anyone??? September sale. GO COF

GO 99 and Find It Fast!

Go online to order items pictured in *Go Mall* by typing 99 after any Mall Merchant's GO command. For example, select an item featured on the cover, type the merchant's GO command followed by 99 (i.e., GO JCP99) and zip to a list of featured products.

Plus...

Take advantage of **free connect** time in your favorite Mall stores and explore new merchants, too.

What the heck is "free connect"?

When you browse in participating merchants' online stores during sponsored **free connect** time, you pay **no** standard CompuServe connect-time rates while shopping in that store. Although applicable communications surcharges *remain in effect*. An up-to-date list of free connect time always can be found online in "Mall Headlines and Happenings."

Go Mall, published monthly in *CompuServe Magazine*, is a shoppers guide for The Electronic Mall, a service of CompuServe Incorporated. For more information call 614/457-8600.

Editors: Cindy Morgan, Denise Erwin Anderson and Pam Busch.
Art Director: Thom Misiak.
Design: Dorothy Hogan.

Shoppers Guide

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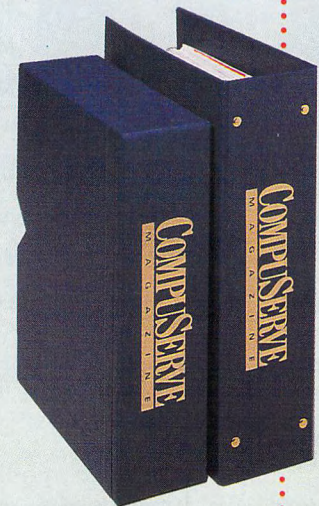
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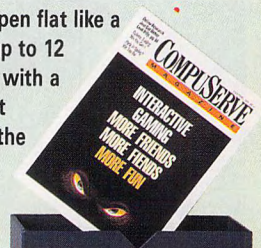
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Cases are handcrafted in leather-like blue fabric. The spines of all cases are hot stamped with the *CompuServe Magazine* logo in gold foil for easy identification.

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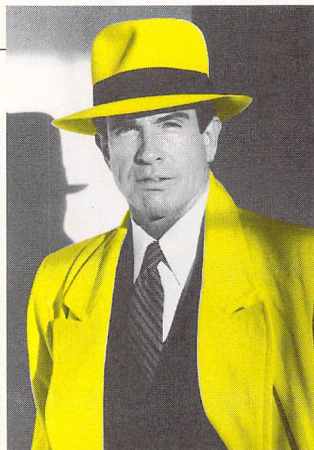
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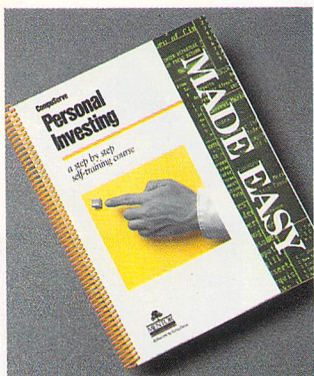
UPDATE

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The Electronic Mall offers financial services, products and information. Security Pacific (GO SEC) invites online applications for Private Reserve, an unsecured line of credit of up to \$20,000. Macintosh and IBM owners can use electronic banking with CheckFree (GO CF). Members who enroll online for TRW Credentials (GO CRE) credit protection service will receive a free solar calculator. Dreyfus Corp. (GO DR) offers free prospectuses on a diverse group of mutual funds. In addition, McGraw-Hill Books Co. (GO MH) features business and investing books, including the best-selling *Inside Job*.

First-time users of Magazine Database Plus will receive up to a \$5 rebate on any charges incurred during their first session in September. Find the complete text of magazine articles, covering current affairs, entertainment, personal finance and information on products and services. The rebate is applied as a CompuServe usage credit about a week after the first session. GO MDP

Win a free trip for two on American Airlines from Eaasy Sabre. To enter, book any car, hotel or airline reservation with Eaasy Sabre and travel between Sept. 1 and Dec. 1, 1990. Then mail proofs of booking and travel. Participants will receive a free upgrade on their next Budget car rental. GO SABRE

CompuServe congratulates winners of the Recommend-A-Member Contest that ended June 30. The grand-prize winner, Joseph A. Borysowicz, received a \$500 CompuServe connect-time credit. William P. Murray, Ellen J. Alderink, Tommy B. Tindell and Frank A. Schmallegger received \$65 first-prize, connect-time credits. Second- and third-place winners also were awarded connect-time prizes. Enter the current contest before Dec. 31, 1990. GO FRIEND

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entry method you select, entries should be mailed before December 15, 1990, and sent to:

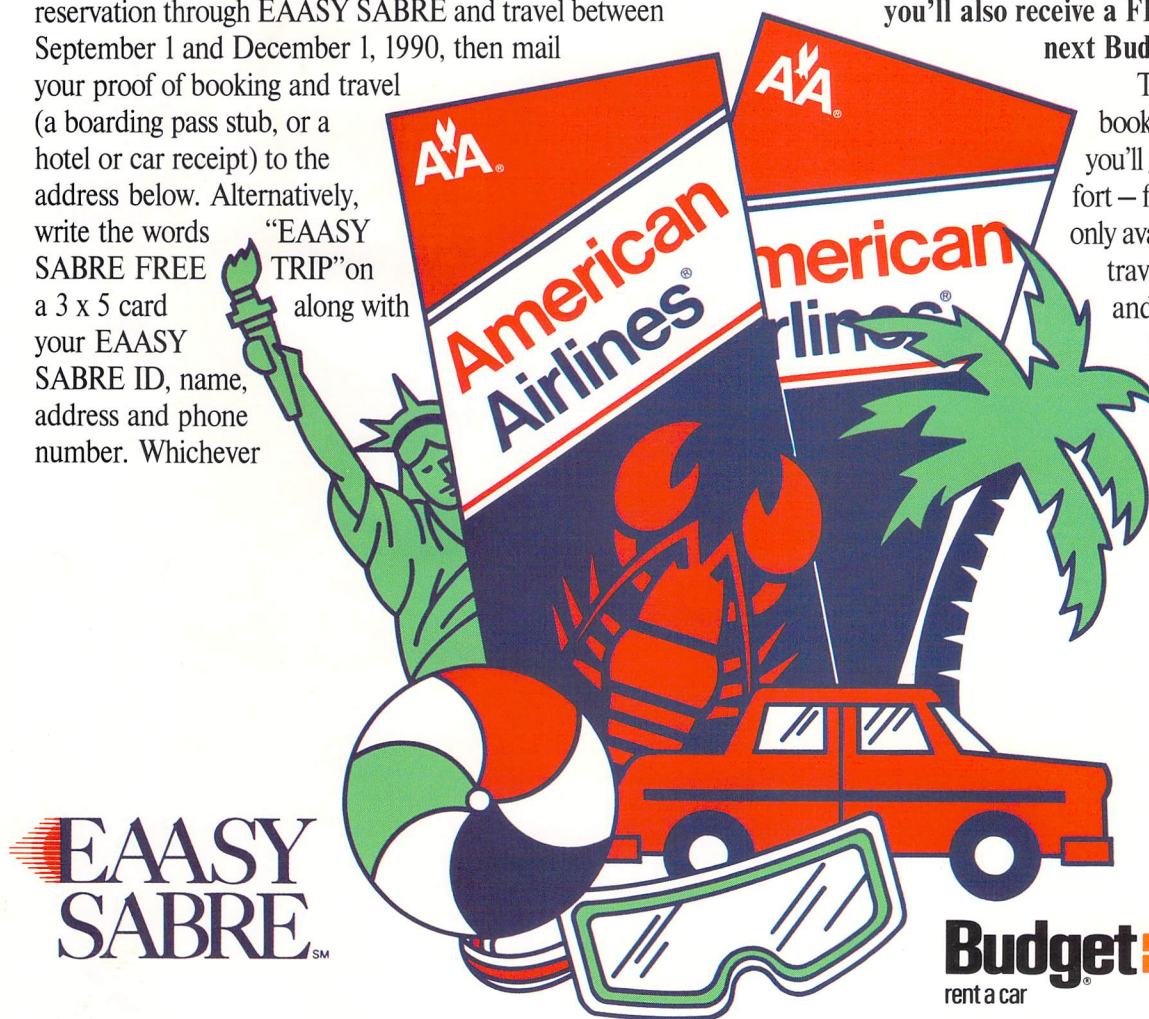
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- No purchase necessary, need not be present to win.
- EAASY SABRE reservations must be made and travel must be taken between September 1, 1990, and December 1, 1990. All completed entries must be received by December 15, 1990. Illegible, lost, delayed, misdirected or damaged entries will be disqualified.
- Drawing will be held in Fort Worth, Texas, on December 28, 1990.
- Winner will be selected by the judges' decision in a random drawing of all qualifying entries received. A qualifying entry must include a boarding pass stub, or a hotel or car receipt as proof of making a reservation on EAASY SABRE and traveling during the designated period. OR a qualifying entry is a 3 x 5 card with the words "EAASY SABRE FREE TRIP," your name, address and phone number.
- Winner will be notified by certified mail in January 1991. Winner's name will be posted at 4255 Amon Carter Blvd., Fort Worth, Texas.
- Travel is for two individuals traveling on the same itinerary to any American Airlines city in the contiguous 48 United States. Alaska and Hawaii are specifically excluded.
- All travel must originate and end at the nearest American Airlines city.
- This contest is open to residents of the United States and is void where prohibited by law.

- Travel must be completed by December 12, 1991. Trips may not be taken during these inclusive blackout dates in 1991: January 1-7, February 14-20, March 23-April 8, May 22-28, July 1-6, August 14-September 4, November 23-December 3.
- Prize consists of Coach air transportation only. Ground transportation and overnight lodging en route or at destination will be at the sole expense of the winner.
- Retail value of prize is full Coach fare depending on origin and destination.
- If American, for any reason, discontinues service to the selected destination before the prizewinner's travel date, the prizewinner must select an alternate American Airlines destination.
- Stopovers are not permitted, and tickets are not transferable or refundable.
- No AAdvantage® mileage credit will be earned for travel on passes won through any contest or promotion.
- Entrants must be 21 years old or older. Minors must be accompanied on the flight by a parent or guardian.
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- Winner must sign an affidavit of eligibility and release within 21 days of awarding of prize.
- Odds of winning are based on number of entries received.
- Entrants hereby authorize American Airlines, their respective agents and affiliated companies the use of winner's name(s) for promotional purposes. Entries become the property of American Airlines and will not be returned.
- Employees and immediate family of American Airlines, their affiliates, advertising agencies or judging organizations are not eligible.
- For name of winner, send self-addressed, stamped envelope after February 1, 1991, to EAASY SABRE FREE TRIP CONTEST, P.O. Box 619616, MD 4430, DFW Airport, TX 75261-9616.

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